MINISTRY OF THE INTERIOR, EGYPT.

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# Department of Public Health

# Annual Report for 1921.

**Government Press, Cairo, 1923.**

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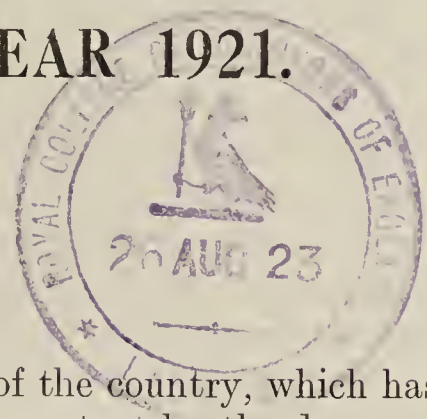
# CONTENTS.

# ANNUAL REPORT OF THE DEPARTMENT OF PUBLIC HEALTH FOR THE YEAR 1921.



## INTRODUCTORY NOTE.

The question of the reorganization of the Health Services of the country, which has been under consideration for some time, has been delayed to some extent by the derangements which have resulted from the recent political vicissitudes through which the Government of the country has passed. A decision upon this question is, therefore, still pending, but the general recommendations, put forward by the Cadre Commission in its report on conditions of Government service generally, have foreseen the necessity for some reorganization as regards Health Administration and have been based upon a modification of the scheme originally proposed by the Government Commission which was convened in the beginning of 1918 to advise on the future organization and work of the Department of Public Health. The details of application of this modified scheme have now been worked out and put forward for consideration.

During the past few years, evidence has shown itself of a progressive and serious increase in the number of persons in this country who are gradually becoming addicted to a habitual use of narcotic and stupefacient drugs. This appears to be particularly the case as regards cocaine, and proposals have been put forward by the Public Health authorities with the object of dealing with the position. As a first step in this direction, it has been considered advisable to institute a more stringent control over the importation and exportation of stupefacient drugs and to this end legal enactments have been drafted and are at present under consideration, prohibiting all importation and exportation of drugs of this nature except by special licence for each consignment which will only be granted when the Health Authorities have been satisfied that the drugs in question are required for legitimate medicinal purposes. This, combined with certain readjustments of the measures of control over the internal traffic in these drugs, will, it is hoped, to some extent, improve the position, but the whole question can only be adequately dealt with when circumstances will permit of the enactment of laws equally applicable to foreigners and natives which will provide a sufficiently deterrent punishment for illicit trafficking in such drugs.

During the year, a non-Egyptian doctor was deported for abusing his privileged position to facilitate traffic in cocaine.

The budgetary provision for the Health Services of this country for 1921–1922 was L.E. 742,839, as compared with L.E. 720,425 in 1920–1921. This does not include the grants for repairs and new buildings which, as was the case last year, are now shown in the budget of the Ministry of Public Works.

The increased supervision over unhealthy, noxious, and dangerous establishments which has been rendered possible by the arrangements referred to in my last Report is being gradually extended and 135 Ministerial *Arrêtés*, laying down additional measures to improve the sanitary conditions of various establishments, have been drawn up by the Department of Public Health during 1921, as compared with ninety in 1920 and seventy-nine in 1919. This increase has been due to the more careful and regular inspections which have been rendered possible by the arrangements now in force and which have resulted in a considerably greater improvement in the general sanitary condition of existing establishments than is actually indicated by the number of *arrêtés* put into force, as it has been the policy of the Administration to have recourse to a legal imposition of whatever additional measures are required in individual cases only when it has been found impossible to persuade the owner of the establishment to carry out the necessary alterations without this. During the year, 478 applications were received for new licences for the more important establishments enumerated in Schedule I of the Law as compared with 263 in the previous year. From the apparent total increase of 215 there should, however, be deducted, in making a comparison, 118 applications for licences for public bakeries which during the year were transferred from Class II to Class I of the Schedule.

The total number of controlled establishments actually existing in the country at the end of 1921 was 50,487, of which 4,208 were establishments of Class I, 39,871 of Class II, and 6,408 of Class III, as compared with 4,279, 36,999, and 6,072, for Classes I, II, and III, respectively in the previous year.

Twenty-nine new cemeteries were established in 1921 and eight existing cemeteries were enlarged. Five were partially or totally condemned and twenty-two passed out of use. Definite limits were laid down during the year for 292 of the older cemeteries and the boundaries assigned to these indicated by pillars. During the year, permission was given in four cases for burial in private tombs outside decreed cemeteries. Five hundred and thirty-eight cases of alleged encroachment on cemetery lands were examined during the year. Legal action was taken in fifteen cases. In nine of these, the decision was in favour of the Government and in six an adverse judgment was given. In 113 cases the evidence was insufficient for further action or the case was capable of a private adjustment. Four hundred and ten cases remained under consideration at the end of the year.

During the year, action was taken under Law No. 5 of 1914 for the enforcement of drainage or filling in in the case of 110 privately-owned ponds of stagnant water or marsh land covering an aggregate area of approximately 140 acres. Twenty-eight similar ponds of a total area of 36,915 square metres existing on Government lands were filled in.

Action was taken in 1921 in the case of 1,151 private mosques, as a result of the unsatisfactory conditions of their ablution and drainage systems. Of these, sixty-two were opened for use after repair, 651 are actually under repair, whilst 438 have been closed owing to failure to take the necessary steps to rectify the condition complained of. In the case of two private mosques, new ablution and drainage systems were installed during the year and the mosques opened for use. A sum of L.E. 2,500 was allotted in the 1921–1922 budget for the sanitation of the mosques appertaining to the Ministry of Waqfs. In the case of ten of these mosques, plans and estimates for sanitary installations were approved in 1921, and the work is now in progress. The sanitary installations of eleven of the mosques belonging to the Ministry of Waqfs for which plans were approved in 1920 were completed and opened during the year.

No new slaughter-houses were opened during the year. In the case of three villages where no slaughter-houses existed, sites for the slaughtering of animals for food were fixed by the Department of Public Health.

The number of prostitutes registered in Egypt in 1921 was 6,369. The number of examinations of these made during the year was 169,484. Diseased conditions were found at 6,349 of the examinations of registered prostitutes, 985 being cases of syphilis, 4,522 of gonorrhœa, and 842 of other venereal diseases. During the year there were 7,632 admissions to Government hospitals of prostitutes suffering from venereal diseases. Of these admissions, 1,769 were for syphilis, 4,803 for gonorrhœa, and 1,058 for other diseases.

During the year, 64,580 medico-legal examinations of injured persons were carried out by the Medical Officers of the Department of Public Health. Of these, 12,920 were accidental injuries and 51,660 were criminal cases. Death occurred in the case of 5,705 of the injured persons and was the result of criminally inflicted injuries in 1,765 cases.

The position as regards the provision of hospitals for the treatment of the sick poor remains the same as last year. Government hospitals now exist in the chief towns of the various provinces, but these do not afford adequate relief for the sick in the more remote districts and should be supplemented by the provision of a smaller type of hospital in each district or markaz. A general provision of such by the State, however, would impose too great a financial burden upon the Government, and this local need must fall to be met by local effort. As mentioned in my last report, evidence of an increasing public interest in the provision of hospital treatment for the poor is shown by the readiness of the prominent residents in many localities to aid in the provision of hospitals by donations of land and money and by assistance in the collection of funds for the erection and upkeep of these. The existing economic and political conditions have stood in the way of full advantage being taken of the interest thus shown, but it is in this direction that a solution of the problem of the provision of adequate sick relief to the poor throughout the country is most likely to be found.

Cairo, a city of three-quarters of a million inhabitants, is still without a lying-in hospital, but a Maternity Section has been added to Qasr el ʿAini Hospital where the poorer women of the city can be attended to, and where suitable provision can be made for the practical instruction of Egyptian women who are desirous of taking up the profession of midwifery.

In view of the high standard of medical treatment now provided in the Government hospitals, the provision made for the nursing of the sick leaves much to be desired. The existing attendants are, generally speaking, drawn from a low class and are ignorant, lacking in intelligence, and consequently incapable of being properly trained, with the result that they have no adequate conception of their responsibilities towards the sick. An attempt has been made to improve matters by the appointment of English nursing

sisters to supervise the nursing, but this is not altogether satisfactory, and the real solution of the difficulty must be found in the provision of a higher grade of Egyptian attendant. The present pay of hospital attendants is insufficient to attract a satisfactory class of employee. In order that recruits may be drawn from a more intelligent and educated source, it will be necessary to offer a scale of pay considerably above that at present given. Experiments in this direction are being made at the Government hospital at ʿAbbasîya where a certain number of high class male and female attendants are engaged as probationers at an improved rate of pay which is further increased at the end of the first year and again at the end of the second on passing an intermediate and a final examination in nursing.

The number of in-patients treated in Government hospitals in 1921 was less than in the previous year, there having been only 57,901 admissions in 1921 as compared with 62,493 in the previous year. The number of out-patients was, however, greater, and 285,983 out-patients were treated in Government hospitals in 1921, as compared with 274,557 in 1920. The hospital returns show a progressively increasing number of operations, there having been 17,370 in 1921, as against 12,797 in 1920 and 9,051 in 1919.

The cost of maintenance in 1921 was L.E. 242,482, as compared with L.E. 230,612 in 1920. The average cost of upkeep for each bed during 1921 was L.E. 59·041 milliemes as against L.E. 56·370 milliemes in 1920, whilst the average daily cost per patient was 251 milliemes as compared with a cost per patient in 1920 of 246 milliemes. Hospital receipts were L.E. 15,299 in 1921, as compared with L.E. 15,938 in 1920 and L.E. 18,097 in 1919.

The special Anthelmintic Annexes previously established in connection with Qasr el Aini, Qalyûb, Benha, and Mansûra General Hospitals for the free treatment of out-patients suffering from ankylostoma, bilharzia, and other worm infections, continued to function. A similar annex in connection with the Tanta General Hospital was opened during the year. In these annexes, 142,492 cases received treatment during the year, 31,314 being cases of ankylostoma infection and 111,030 of bilharzia. In addition, 3,581 ankylostoma and 9,890 bilharzia cases were treated in the Government General Hospitals during the year.

A travelling Anthelmintic Hospital has just been established at Shebîn el Kôm by the Provincial Council of Minufîya Province, and it is to be hoped that the good example of this Council will be followed by the local institution of similar establishments in other provincial centres.

The twelve Children's Dispensaries in the provinces worked steadily throughout the year, *i.e.* at Damanhûr, Tanta, Mansûra, Zagazig, Shebîn el Kôm, Port Said, Gîza, Faiyûm, Beni Suef, Beba, Wasta, and Minya. Their work as Infant Welfare Centres is bearing fruit, but progress is necessarily slow on account of the primitive housing conditions still prevailing throughout the country. The lack of a proper water supply, the absence of any system of sanitation, the mud brick homes of the fellaheen, must all be borne in mind when judging results, since such adverse conditions necessarily must seriously handicap the efforts of the dispensary matrons to instruct the mothers in clean methods. Not until each town and village can be provided with a proper water supply and a satisfactory sanitary system can one expect the higher standard of cleanliness which is aimed at.

Nevertheless, there is a noticeable difference in this respect, evidenced in the case of both mothers and children attending the older dispensaries, where daily teaching has been given over a long period of years, and the value of these dispensaries from this educational point of view alone, is very great.

It is also a matter for congratulation that the local medical practitioners are in many cases taking an increasing interest in the work of the dispensaries, and at some dispensaries attend daily and give valuable help in the more difficult cases.

The total number of attendances at the Children's Dispensaries in 1921 was 379,955, and the number of children receiving treatment 78, 819.

In Cairo, useful work is carried out by charitable committees in the Mohamed Ali Dispensary at Abdîn and in the Lady Cromer's Dispensaries at Manshîya and Madbûli. The last named is a commodious new building finished this year and situated on the borders of the Bulâq District.

The Maternity Schools for the training of the local midwives established at Damanhûr, Mansûra, Zagazig, Shebîn el Kôm, Faiyûm, Minya, Sohâg, and Tanta continued working during the year and steadily gained in popularity. At Zagazig an intern department (the first to be instituted in connection with these schools) was established during the year in an adjoining building. It comprises a large airy ward of six beds, operation room, and lecture room, with the usual annexes.

This was opened in January by H.H. the Sultan, when he visited the school, and has been much appreciated by patients from distant villages who, owing to abnormal conditions,

have been advised by their local midwives to seek the more skilled help which can be obtained at these schools. The number of such cases sent in time for further assistance is, it is satisfactory to record, tending to increase as the districts become gradually staffed by former pupils of the school, able to realize the need of further assistance when abnormal conditions are present.

There is increasingly less difficulty experienced in obtaining pupils for training than was the case formerly, and some schools have now even a waiting list. Candidates are even refused when there is already a sufficient number of trained midwives in the town or village to which they belong. Women from eighteen to thirty are usually selected. The younger women are more easily trained, and it is found that even a very young midwife will have the confidence of her patients should her mother or grandmother have been practising as a midwife before her. For this reason, young pupils are selected, whenever possible, from those families which have furnished village midwives in the past.

The total number of midwives trained in the Provincial Maternity Schools during the year was 160, as compared with 171 in 1920. Of these, seven failed to pass their examination. The decrease in the number under training was due to the closure of the Mansûra School in 1921 from July to December.

Two new matrons were appointed during the year. The schools carry out their work in close co-operation with the Principal Medical Officers and Assistant Medical Officers of the Government hospitals and the local District Medical Officers who respond to the matrons' calls for help, when possible, in operative cases, and give systematic courses of lectures each term to the pupils on infectious disease, signs of death, etc.

Testimony is frequently given by private practitioners as to the cleaner methods and greater efficiency of the midwives trained in these schools as compared with Egyptian midwives otherwise trained.

The higher efficiency taught in these schools is maintained by frequent inspection of the work of the midwives in their villages. These inspections are made by English travelling inspecting sisters. During the year, 789 midwives were visited by these in the provinces of Beheira, Sharqîya, Gharbîya, Qalyubîya, Gîza, Faiyûm, Minya, Asyût, Girga, and Qena, and in the towns of Port Said, Suez, Luxor, and Aswân.

The number of maternity cases attended from the schools during the year was 4,742. Of these, 1,015 were abnormal and included one case of triplets, two Cæserian sections, and two craniotomies

The matron and pupil midwives paid 48,107 visits to the patients in their homes during the year.

The valuable work carried out by the Ophthalmic Hospitals was continued during the year, and 113,000 new patients were treated in these, and over a million attendances of out-patients were recorded. The number of eye-operations performed was 65,000. In a country such as Egypt, where eye diseases are extremely prevalent and where over 95 per cent of the population are affected with chronic trachoma, the benefits conferred by these institutions are incalculable. During the year, 15,000 patients applied for treatment who have already become blind in one or both eyes. That the work is highly appreciated is shown by the fact that there are fifteen specially built Ophthalmic Hospitals in the fourteen provinces which, though maintained by the Government, have been erected and equipped by local effort. Two further hospitals also are in course of construction at Qena and Gîza. In addition to the ophthalmic benefits to the general population provided in these hospitals, a high standard of training is given therein to the Medical Officers of the Service, and it is satisfactory to record that the ophthalmic hospitals throughout the country are now entirely staffed by highly efficient Egyptian ophthalmic surgeons working under the British Director.

In connection with these hospitals, ophthalmic inspection and treatment of the pupils in Government schools forms an important feature of the work of the Ophthalmic Section of the Department of Public Health.

The diminished incidence in the principal infectious diseases in 1920, to which allusion was made in my previous report, has been repeated to an even greater extent during the year under review. The reduction has been most marked in the case of smallpox, typhus fever, and relapsing fever, of which diseases only 92, 4,476, and 1,217 cases respectively were recorded for the whole country in 1921, as compared with 3,004, 13,279, and 2,876 cases of each of these diseases in the previous year. The smallpox figures are the lowest on record for this disease, and the greatly diminished incidence is largely to be ascribed to the vaccination campaign which, begun in 1919, was completed only in 1921, and during the course of which a total of six million persons were revaccinated. The favourable position with respect to the occurrence of infectious disease generally in the country is

in large part the result of improved methods of control, which are gradually showing their effects in a general tendency towards a progressive reduction of cases.

In my report of last year, reference was made to the dangers attending the use of shaving brushes imported from Japan which, investigations had shown, were largely infected with anthrax. The measures then in force were found to be insufficient to give reasonable security, and during the year the Department of Public Health found it necessary to have an *arrêté* issued definitely prohibiting all importation of shaving brushes manufactured in Japan. Since the imposition of this embargo, there has been evidence that a serious effort is being made by the Japanese authorities to deal with the source of danger, and it is probable that in the near future it may be possible to moderate the stringency of the measures now in force.

During the year, the occurrence in the country of several cases of Encephalitis Lethargica rendered it necessary to include this disease in the schedule of Notifiable Infectious Diseases.

No unusual occurrence of malaria was noted during 1921. It is a matter for congratulation that in spite of the introduction of a considerable measure of infection through the movements of troops during the war, there has been, so far, no obvious spread of the disease in the country. In this respect, it has been fortunate in having had a series of very moderate Nile floods, resulting in a diminished prevalence of the malaria-bearing mosquito. The position as regards malarial prevalence, however, requires careful watching, and this more especially since the employment of large numbers of Egyptian labourers on works in the Sudan has undoubtedly increased the possibilities of a dissemination of the infection. For the purpose of minimizing as far as possible the risks from this source, certain measures of precaution have been adopted in agreement with the Sudan Government.

The valuable work carried out by the anti-malarial Commission has been continued during the year, though the money grant assigned to it in 1921, to be expended on major works, had been cut down to about a third of the normal amount owing to the financial stringency. In consequence, new works had to be confined to those districts in which they were most urgently required, namely, Dirr—which was seriously infected in 1919—Shellal, Kharga Oasis, Siwa, and the Faiyûm. Certain works, also, which had been commenced in the town of Zagazig in 1920, were completed during the year.

For the destruction of mosquito larvæ, 160 ponds and over 700 wells were stocked with fish.

During the year, 114,553 passengers and immigrants from countries infected or suspected to be infected with cholera landed in Egypt. Measures of control and observation at their destinations were taken in the case of 106,323 of these, or 92·8 per cent. The number of persons, therefore, who were lost sight of before completing their periods of observation was 8,230, a notable increase upon the proportion of such hitherto obtaining. This is to be attributed to the large number of Palestinian emigrants who, disembarking at one of the Egyptian ports, proceed almost directly to Palestine without any notification of their departure and who appear therefore as untraced persons in the returns of this control.

The number of pilgrims from Egypt proceeding on the pilgrimage to Mecca in 1921 was 2,834. As usual all were vaccinated against cholera before their departure from Suez. The size of the pilgrimage, which during the war had become greatly reduced until in 1919 only 438 pilgrims left this country, is, therefore, slowly but progressively increasing, though it still falls far below the pre-war numbers which averaged annually 13,000 persons.

No undue prevalence of epidemic disease during the pilgrimage was reported from the Hedjaz, though a case of cholera in the person of a returning Egyptian pilgrim occurred at the Quarantine Station at Tor. The arrangements in force for the observation of returned Egyptian pilgrims at their homes were carried out as usual, and the stools of all those showing any intestinal symptoms bacteriologically examined. No further cases occurred.

In connection with the *regulation* prohibiting the landing in Egypt of non-Egyptian pilgrims returning from the Hedjaz to countries north of Suez, certain difficulties were experienced during the year. These arose mainly from the fact that the Governments concerned with such pilgrims had taken no steps to arrange shipping facilities for such of their nationals as were returning from the pilgrimage. The lack of such arrangements resulted in the receipt by the Public Health authorities of numerous requests from the various sources to agree to a suspension of the regulation. Obviously, however, if Egypt is to obtain a full measure of protection from her own arrangements, she can scarcely consent to the landing of parties of non-Egyptian pilgrims who, usually without means, merely trickle slowly through the country, where they constitute a floating and uncontrolled

population, exposing the general populace to the same dangers as the State, as far as its own pilgrims are concerned, is making every effort to avoid.

It is highly desirable, in the interests of an unhindered return of such non-Egyptian pilgrims, that the Governments concerned should foresee either the necessary arrangements for their direct sea transport or make such financial provision as will permit of their proper supervision while on Egyptian territory and of their repatriation at the earliest possible opportunity.

The Medical Officer in charge of the Mahmal escort in 1921 has reported that facilities for the hospitalization and treatment of sick pilgrims are practically non-existent in the Hedjaz, and that in consequence the stock of drugs which he had taken with him for the treatment of Egyptian pilgrims was exhausted on the return journey before he reached Jeddah. As regards this, the Egyptian Department of Public Health has under consideration at the present moment the whole question of the provision of a properly organized service for the treatment and hospitalization, during the pilgrimage, of the sick from amongst its own pilgrims, but the full benefit of a medical control furnished by a provision of this nature could only be possible if similar arrangements were made by other countries from which pilgrims proceed to the Hedjaz. A pilgrimage, controlled from each country of origin, on the lines of the existing Egyptian arrangements, and accompanied by a medical service provided by each Government for its own nationals, would do much to reduce the constant menace to the world's health resulting from the present unsatisfactory position.

The usual measures for the prevention of the return of Egyptian and other pilgrims by unauthorized land routes, with the object of avoiding quarantine, were again put in force in 1921, and desert patrols were maintained for this purpose in the Sinai Peninsula and on the Red Sea Coast. Twenty-one pilgrims were intercepted by the Sinai patrols. None were found by the patrols operating on the Red Sea littoral.

During the year, 327 authorizations were given to practise the medical or allied professions as compared with 376 during 1920. Of the persons licensed, 197 were doctors, thirty-two were pharmacists, ten assistant pharmacists, nine veterinary surgeons, thirty-three certificated midwives, six dentists with registrable qualifications, and forty persons, specially authorized to practise dentistry under the transitory section of the Dental Law mentioned in my last report, whose authorization had been delayed from last year pending certain inquiries which it was considered desirable to make. The number of midwives given above only includes those midwives who are registered on a regular certificate or diploma issued by a recognized institution. The provincial midwives or *dayas* are not included in this figure, but are registered separately. Of the 327 persons authorized as above, under the law regulating the practice of medicine and its allied branches, 207 were Egyptians and thirty-nine were Ottoman subjects, whilst eighty-one were foreigners of various nationalities.

During 1921, 11,165 persons were examined by the Central Medical Commission. Of these 5,527 were for admission into Government service, 4,034 were for sick leave, 1,445 for invaliding from the service, and 159 for various other reasons. The number of examinations carried out by the eighteen Provincial Medical Commissions was 15,167, of which 7,094 were examinations for admission into the service, 5,893 for sick leave, 1,488 for invaliding from the service, and 692 for various other reasons.

In addition, in connection with the work of these Commissions, 12,314 *Nizami* ghafîrs were examined by the District Medical Officers, either for admission to the service or for extensions of their periods of service. The work carried out by the Medical Comissions is rapidly increasing and now has become a very important part of Government service.

The amount of vaccine lymph issued from the Vaccine Institutes during 1921 was 2,094,115 doses. This represents a more normal issue than the previous year, when 10,098,720 doses were prepared and issued for the purpose of an extensive campaign of general revaccination, which was in that year carried out by the Epidemic Service of the Department of Public Health for the purpose of stamping out or reducing the continual occurrence of outbreaks of smallpox in Egypt.

In 1921, a total of 1,323 persons were treated in the Antirabic Institute. Three of the patients were treated for bites by rabid human beings and two were accidentally infected in the Laboratory. The bites were inflicted by divers animals, but dog bites furnished the bulk of the cases, there being 1,015 patients treated for bites by that animal. July, September, October, and November were the months in 1921 in which the numbers of cases were largest.

In the following pages will be found detailed reports on the work of the various Sections of the Administration.

# I.—REPORT ON THE WORK OF SECTION I.

## 1.—VITAL STATISTICS.

The usual tables are appended :—

TABLE I.—ANNUAL GENERAL RETURN OF BIRTHS AND DEATHS REGISTERED IN EGYPT DURING THE YEAR 1921.

| GOVERNORATES AND PROVINCES. | POPULATION CALCULATED. | BIRTHS. | | | | DEATHS. | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Egyptians | Foreigners. | Total. | Per Thousand | Egyptians. | Foreigners. | Total. | Per Thousand |
| GOVERNORATES. | | | | | | | | | |
| Cairo ... ... ... | 765,200 | 35,113 | 679 | 35,792 | 46·8 | 23,075 | 583 | 23,663 | 30·9 |
| Alexandria ... ... | 449,300 | 18,460 | 1,509 | 19,969 | 44·4 | 12,109 | 941 | 13,050 | 29·0 |
| Canal { Ismailia ... | 32,400 | 1,350 | 96 | 1,446 | 44·6 | 731 | 58 | 789 | 24·4 |
| Canal { Port Said | 79,800 | 3,069 | 235 | 3,304 | 41·4 | 1,668 | 180 | 1,888 | 23·2 |
| Damietta ... ... | 32,700 | 1,474 | 3 | 1,477 | 45·2 | 797 | — | 797 | 24·4 |
| Suez ... ... ... | 32,100 | 1,282 | 122 | 1,404 | 43·7 | 914 | 74 | 988 | 30·8 |
| Eastern Desert Province ... ... | 36,300 | 1,346 | 2 | 1,348 | 37·1 | 807 | — | 807 | 22·2 |
| Western Desert Province ... ... | 5,200 | 726 | 16 | 742 | *142·7 | 282 | 5 | 287 | * 55·2 |
| Sinaï Province ... | 4,300 | 397 | 1 | 398 | * 92·6 | 241 | 1 | 242 | * 56·3 |
| TOTAL... ... | 1,437,300 | 63,217 | 2,663 | 65,880 | * 45·8 | 40,624 | 1,847 | 42,471 | * 29·5 |
| PROVINCES. | | | | | | | | | |
| *Lower Egypt* :— | | | | | | | | | |
| Beheira ... ... | 925,900 | 33,899 | 2 | 33,901 | 36·6 | 23,148 | 4 | 23,152 | 25·0 |
| Daqahlîya ... ... | 1,027,600 | 44,951 | 41 | 44,992 | 43·8 | 28,079 | 26 | 28,105 | 27·4 |
| Gharbîya ... ... | 1,704,400 | 70,919 | 41 | 70,96 | 41·6 | 47,932 | 40 | 47,972 | 28·1 |
| Minûfîya ... ... | 1,111,200 | 47,592 | 5 | 47,597 | 42·8 | 29,891 | 7 | 29,898 | 26·9 |
| Qalyûbîya ... ... | 548,900 | 22,529 | 6 | 22,535 | 41·1 | 13,976 | 14 | 13,990 | 25·5 |
| Sharqîya ... ... | 963,900 | 37,969 | 25 | 37,994 | 39·4 | 23,481 | 26 | 23,507 | 24·4 |
| TOTAL... ... | 6,281,900 | 257,859 | 120 | 257,979 | 41·1 | 166,507 | 117 | 166,624 | 26·5 |
| *Upper Egypt* :— | | | | | | | | | |
| Asyût ... ... | 1,044,200 | 47,600 | 6 | 47,606 | 45·6 | 25,357 | 5 | 25,362 | 24·3 |
| Aswân ... ... | 257,400 | 7,892 | 2 | 7,894 | 30·7 | 5,858 | 4 | 5,862 | 22·8 |
| Beni Suef ... ... | 489,900 | 21,065 | 5 | 21,070 | 43·0 | 10,389 | 5 | 10,394 | 21·2 |
| Faiyûm ... ... | 535,200 | 24,672 | 5 | 24,677 | 46·1 | 13,297 | 5 | 13,302 | 24·9 |
| Girga ... ... ... | 919,100 | 38,099 | 2 | 38,101 | 41·5 | 18,818 | 1 | 18,819 | 20·5 |
| Gîza ... ... ... | 582,700 | 26,914 | 2 | 26,916 | 46·2 | 14,026 | 7 | 14,033 | 24·1 |
| Minya ... ... | 810,500 | 35,406 | 7 | 35,413 | 43·7 | 18,974 | 10 | 18,984 | 23·4 |
| Qena ... ... ... | 878,700 | 33,362 | — | 33,362 | 38·0 | 18,584 | 4 | 18,588 | 21·2 |
| TOTAL... ... | 5,517,700 | 235,010 | 29 | 235,039 | 42·6 | 125,303 | 41 | 125,344 | 22·7 |
| GENERAL TOTAL { | 13,236,900 | 556,086 | 2,812 | 558,898 | 42·3 | 332,434 | 2,005 | 334,439 | 25·3 |
| | 9,500 | | | | | | | | |
| | 13,227,400 | | | | | | | | |

* The high rates of births and deaths in the Western Desert and Sinai Provinces are presumably due to the unfavourable conditions under which the census was carried there in 1917. Their population was certainly underestimated.

TABLE II.—TOTAL POPULATION, BIRTHS, DEATHS, AND INFANT MORTALITY IN THE TWENTY PRINCIPAL TOWNS DURING THE YEAR 1921.

| TOWNS. | Population estimated up to July 1, 1921. | BIRTHS. | | | | DEATHS. | | | | INFANT MORTALITY. | | PROPORTION PER CENT OF INFANT MORTALITY. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Egyptians. | Foreigners. | Total. | Per Thousand. | Egyptians. | Foreigners. | Total. | Per Thousand. | From 0-1 Year. | From 1-10 Years. | Deaths under 1 Year. To Births. | Deaths under 1 Year. To Deaths. | From 1-10 Years. To Deaths. |
| GOVERNORATES. | | | | | | | | | | | | | | |
| Cairo ... ... ... ... ... | 765,200 | 35,113 | 679 | 35,792 | 46·8 | 23,075 | 588 | 23,663 | 30·9 | 7,756 | 6,550 | 21·7 | 32.8 | 27·7 |
| Alexandria... ... ... ... | 449,300 | 18,460 | 1,509 | 19,969 | 44·4 | 12,109 | 941 | 13,050 | 29·0 | 4,112 | 3,380 | 20·6 | 31·5 | 25·9 |
| Ismailia { (Band.) ... ... | 17,100 | 689 | 96 | 785 | 45·9 | 423 | 58 | 481 | 28·1 | 137 | 155 | 17·5 | 28·5 | 32·2 |
| Ismailia { (Dawahi)... ... | 15,300 | 661 | — | 661 | 43·2 | 308 | — | 308 | 20·1 | 74 | 106 | 11·2 | 24·0 | 34·4 |
| Port Said ... ... .. ... | 79,800 | 3,069 | 235 | 3,304 | 41·4 | 1,668 | 180 | 1,848 | 23·2 | 494 | 580 | 15·0 | 26·7 | 31·4 |
| Damietta ... ... ... ... | 32,700 | 1,474 | 3 | 1,477 | 45·2 | 797 | — | 797 | 24·4 | 236 | 233 | 16·0 | 29·6 | 29·2 |
| Suez ... ... ... ... ... | 32,100 | 1,282 | 122 | 1,404 | 43·7 | 914 | 74 | 988 | 30·8 | 274 | 245 | 19·5 | 27·7 | 24·8 |
| PROVINCES. | | | | | | | | | | | | | | |
| *Lower Egypt:—* | | | | | | | | | | | | | | |
| Benha ... ... ... ... | 19,000 | 681 | 6 | 687 | 36·2 | 410 | 4 | 414 | 21·8 | 139 | 94 | 20·2 | 33·6 | 22·7 |
| Damanhûr ... ... ... | 49,700 | 2,285 | 2 | 2,287 | 46·0 | 1,467 | 1 | 1,468 | 29·5 | 424 | 437 | 18·5 | 28·9 | 29·8 |
| Mansûra... ... ... ... | 50,700 | 2,151 | 41 | 2,191 | 43·2 | 1,407 | 21 | 1,428 | 28·2 | 399 | 384 | 18·2 | 27·9 | 26·9 |
| Shibîn el Kôm ... ... | 26,300 | 1,293 | 5 | 1,298 | 49·4 | 646 | 3 | 649 | 24·7 | 180 | 114 | 13·9 | 27·7 | 17·6 |
| Tanta ... .. ... ... | 75,800 | 3,493 | 36 | 3,529 | 46·6 | 2,231 | 17 | 2,248 | 29·7 | 606 | 645 | 17·2 | 27·0 | 28·7 |
| Zagazig ... ... ... ... | 41,800 | 1,837 | 25 | 1,862 | 44·5 | 1,100 | 16 | 1,116 | 26·7 | 311 | 300 | 16·7 | 27·9 | 26·9 |
| *Upper Egypt:—* | | | | | | | | | | | | | | |
| Asyût ... ... ... ... | 52,100 | 2,426 | 6 | 2,432 | 46·7 | 1,483 | 2 | 1,485 | 28·5 | 551 | 381 | 22·7 | 37·1 | 25·7 |
| Aswân ... ... ... ... | 11,200 | 483 | 2 | 485 | 43·3 | 441 | 2 | 443 | 39·6 | 115 | 158 | 23·7 | 26·0 | 35·7 |
| Beni Suef ... ... ... | 32,700 | 1,528 | 5 | 1,533 | 46·9 | 1,201 | 4 | 1,205 | 36·9 | 378 | 389 | 24·7 | 31·4 | 32·3 |
| Faiyûm ... ... ... ... | 45,900 | 2,567 | 5 | 2,572 | 56·0 | 1,808 | 3 | 1,811 | 39·5 | 744 | 505 | 28·9 | 41·1 | 27·9 |
| Gîza ... ... ... ... | 18,900 | 1,048 | 2 | 1,050 | 55·6 | 650 | 2 | 652 | 34·5 | 278 | 150 | 26·5 | 42·6 | 23·0 |
| Minya ... ... ... ... | 35,400 | 1,954 | 6 | 1,960 | 55·4 | 1.270 | 4 | 1,274 | 36·0 | 466 | 298 | 23·8 | 36·6 | 23·4 |
| Qena ... ... ... ... | 23,400 | 1,233 | — | 1,233 | 52·7 | 973 | 1 | 974 | 41·6 | 403 | 282 | 32·7 | 41·4 | 29·0 |
| Sohâg ... ... ... ... | 21,100 | 1,090 | 1 | 1,091 | 51·7 | 778 | 1 | 779 | 36·9 | 241 | 229 | 22·1 | 30·9 | 29·4 |
| TOTAL ... ... | 1,895,500 | 84,817 | 2,786 | 87,603 | 46·2 | 55,159 | 1,922 | 57,081 | 30·1 | 18,318 | 15,615 | 20·9 | 32·1 | 27·4 |

## 2.—UNHEALTHY, INCONVENIENT AND DANGEROUS ESTABLISHMENTS.

In my report for 1920 I dealt fully with the reorganization which has taken place of the work performed by the Department of Public Health under the *Etablissements Insalubres* Law. This reorganization comprised the appointment of special overseers, the institution of special registers for *établissements insalubres*, the revision of the Health Division of the Schedule of *établissements insalubres*, the revision and reprint of the volume of "Model Conditions," and the revision of the instructions given to applicants for licences, etc., etc. There is nothing more to add in this connection this year except that depots and establishments for the sale of butter and butter substitutes have been added to the Health Division of the Schedule of *établissements insalubres* under Class II, Category A, by *Arrêté* of the Ministry of the Interior dated September 25, 1921, published in the *Journal Officiel* No. 87 dated October 3, 1921.

*Work done during the Year.*

The number of applications for licences for establishments falling under Class I dealt with during 1921 was 478, as compared with 263 in 1920, 141 in 1919, 194 in 1918, 203 in 1917, and 204 in 1916. This large increase in the number of applications during 1921 is partly due to the increased prosperity of the country and partly to the fact that public bakeries, for which there were 118 applications, have been transferred from Class II to Class I in the revised schedule.

A statistical table (Table III) showing in detail the types of Class I establishment for which licences were applied for in 1921 is attached.

The total number of Ministerial *Arrêtés* laying down additional conditions to improve the sanitary state of various existing establishments which were made use of by the Administration during 1921 was 135, as compared with 90 in 1920 and 79 in 1919. It should not, however, be presumed that this increase means that the sanitary condition of the existing establishments is on the down grade. It is really due to the more careful and constant inspection exercised by the Public Health Inspectors, Medical Officers, and Overseers of *établissements insalubres* (whose number was increased in the middle of 1920) in conformity with the instructions given to them by the Central Administration. The policy of the Administration is still to only have recourse to a Ministerial *Arrêté* as the last resort and always to try to persuade the owner of an establishment requiring repairs or alterations to carry these out of his own free will without using the machinery of the law to force him to do so. It can confidently be stated that the general sanitary condition of the existing establishments in most localities shows a marked improvement. A statistical table showing in detail the Ministerial *Arrêtés* dealt with in 1921 is attached (Table IV).

A general statistical table showing the numbers of all types of establishments licensed under the Health Division of the Schedule of *établissements insalubres* in the whole of Egypt, up to December 31, 1921, is also attached. It will be seen from this table that the number of Class I establishments is 4,208, Class II establishments 39,871, Class III establishments 6,408, and the total number of the three classes is 50,487. Although this table may be considered as more accurate than that given in last year's Report, it cannot yet be taken as absolutely accurate as there are probably a certain number of establishments not yet shown in the *établissements insalubres* registers. However, by means of constant inspection and by increasing the number of overseers it is hoped that this table will be, in a few years' time, an exact census of these establishments.

*Overseers of Etablissements Insalubres.*

The number of overseers of *établissements insalubres* remains the same as last year. The six more posts required to complete the programme and which were asked for in 1921–1922 budget have not yet been granted. They have consequently been reinserted in the proposals for next year's budget. These posts are intended to be allotted as follows : one each to Damietta, Gharbîya Province (2nd post), Gîza, and Aswân, and two Relief Posts at Central Administration. In addition to these six posts it will probably be necessary, owing to the increase in the work, to add to the number of overseers attached to Cairo City Inspectorate so as to be able to allot one overseer to each qism of the City.

*Ministerial Arrêtés.*

The following table gives details of the applications for licences for establishments falling under Class I of the Law of August 1904 (public and cattle markets included) which were dealt with in 1921.

TABLE III.—INCONVENIENT, UNHEALTHY, AND DANGEROUS ESTABLISHMENTS.

| NATURE OF ESTABLISHMENT. | Approved. | Refused. | Given up. | Under Consideration | TOTAL. |
|---|---|---|---|---|---|
| Aerated water factories | 12 | — | 2 | 5 | 19 |
| Sweetmeat factories | 18 | 2 | 6 | 6 | 32 |
| Pastry and alimentary paste factories | 17 | 1 | 3 | 4 | 25 |
| Sugar-cane crushing factories | 6 | — | 2 | 2 | 10 |
| Molasses factories | 2 | — | — | — | 2 |
| Oil pressing mills | 3 | — | — | — | 3 |
| Oil pressing mills and sweetmeat factories | 1 | — | — | — | 1 |
| Oil pressing, corn mill, and rice husking establishments | 2 | — | — | 1 | 3 |
| Rice husking establishments | 15 | — | 4 | 1 | 20 |
| Rice husking and corn mills | 26 | 1 | 3 | 5 | 35 |
| Butter factories | 4 | — | — | — | 4 |
| Cheese factories | 2 | — | 2 | — | 4 |
| Dairies | 16 | 4 | 1 | 8 | 29 |
| Dairies and cheese factories | 1 | 1 | — | — | 2 |
| Meat curing and preserving factories | — | — | 1 | 1 | 2 |
| Ice factories | 3 | — | — | 1 | 4 |
| Ice cream factories | 2 | — | — | 2 | 4 |
| Pastry establishments | 1 | — | — | — | 1 |
| Macaroni factories | 1 | — | — | — | 1 |
| Macaroni and corn mill factories | 1 | — | — | — | 1 |
| Beer-bottling establishments | — | — | 1 | — | 1 |
| Public bakeries | 78 | 2 | 16 | 22 | 118 |
| Frying ovens | 18 | 2 | 1 | 3 | 24 |
| Bean cooking establishments | 4 | — | 1 | 2 | 7 |
| Qosromill ovens | — | — | 1 | 1 | 2 |
| Fish *halaqas* | 9 | 1 | 6 | 3 | 19 |
| Soap factories | 1 | — | 4 | 4 | 9 |
| Cotton ginning mills | 7 | — | — | 2 | 9 |
| Public and swimming baths | 7 | — | 2 | 2 | 11 |
| Tanneries | 4 | — | 1 | 4 | 9 |
| Manure establishments | — | — | — | 1 | 1 |
| Sewage depots | 4 | — | — | 1 | 5 |
| Hospitals | 1 | — | — | — | 1 |
| Distilleries | 7 | — | 4 | 10 | 21 |
| Indiarubber factories | 1 | — | — | — | 1 |
| Tobacco and cigarette factories | 3 | — | — | 2 | 5 |
| Flax scutching and rope factories | 5 | — | 4 | — | 9 |
| Candle factories | 2 | — | — | — | 2 |
| Butter and butter substitute factories | — | — | — | 1 | 1 |
| Depots for chemical products | 1 | — | — | 3 | 4 |
| Public and cattle markets | 9 | 5 | — | 3 | 17 |
| TOTAL | 294 | 19 | 65 | 100 | 478 |

The draft *arrêtés* laying down additional conditions for establishments possessing permits under the Law of August 23,1904 (*Etablissements Insalubres*) were dealt with in 1921 as follows :—

TABLE IV.—MINISTERIAL "ARRÊTÉS."

| NATURE OF ESTABLISHMENT. | Approved. | Refused. | Under Consideration | TOTAL. |
|---|---|---|---|---|
| *Alexandria :—* | | | | |
| Public stables... ... ... ... ... ... ... ... ... ... | 22 | — | — | 22 |
| Bakeries ... ... ... ... ... ... ... ... ... ... ... | 25 | — | — | 25 |
| Butchers' shops ... ... ... ... ... ... ... ... ... | 13 | — | — | 13 |
| Grocers' shops ... ... ... ... ... ... ... ... ... | 7 | — | — | 7 |
| Public kitchens ... ... ... ... ... ... ... ... ... | 7 | — | — | 7 |
| Milk shops ... ... ... ... ... ... ... ... ... ... | 2 | — | — | 2 |
| Frying and roasting establishments ... ... ... ... ... | 19 | — | — | 19 |
| Sweetmeat factories ... ... ... ... ... ... ... ... | 3 | — | — | 3 |
| Dye Shops ... ... ... ... ... ... ... ... ... ... | 2 | — | — | 2 |
| Shops for sale of poultry ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Cattle *zerîbas* ... ... ... ... ... ... ... ... ... | 3 | — | — | 3 |
| Wood depots ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Distilleries ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Triperies ... ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Pastry cook shops ... ... ... ... ... ... ... ... ... | 2 | — | — | 2 |
| Vegetable shops ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Shops for the sale of *fesîkh* ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Alcohol depots ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Cairo :—* | | | | |
| Public bakeries ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Bûza* factories ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Gharbîya Province :—* | | | | |
| Public kitchens ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Grocers' shops ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Ironers ... ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Public stables... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Minûfîya Province :—* | | | | |
| Potteries ... ... ... ... ... ... ... ... ... ... .. | 1 | — | — | 1 |
| Public baths ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Qalyûbîya Province :—* | | | | |
| Public bakeries ... ... ... ... ... ... ... ... ... | 2 | — | — | 2 |
| Dye shops ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Daqahlîya Province :—* | | | | |
| Cotton ginning mills ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Beheira Province :—* | | | | |
| Public baths ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Tanneries... ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Skin stores ... ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Damietta :—* | | | | |
| Tanneries... ... ... ... ... ... ... ... ... ... ... | — | 1 | — | 1 |
| Sweetmeat factories ... ... ... ... ... ... ... ... | — | 1 | — | 1 |
| Public bakeries ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Suez :—* | | | | |
| Pastry cook shops ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| *Beni Suef Province :—* | | | | |
| Lime kilns ... ... ... ... ... ... ... ... ... ... | — | 1 | — | 1 |
| *Faiyûm Province :—* | | | | |
| Flour mill ... ... ... ... ... ... ... ... ... ... | — | — | 1 | 1 |
| *Asyût Province :—* | | | | |
| Public bakeries ... ... ... ... ... ... ... ... ... | 2 | — | — | 2 |
| *Girga Province :—* | | | | |
| Public bakeries ... ... ... ... ... ... ... ... ... | 1 | — | — | 1 |
| Dye shops ... ... ... ... ... ... ... ... ... ... | 3 | — | — | 3 |
| TOTAL ... ... | 135 | 3 | 1 | 139 |

TABLE V.—"ETABLISSEMENTS INSALUBRES" OF CLASSES I, II,

| NATURE OF ESTABLISHMENT. | GOVERNORATES. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CAIRO. | | | | | | | | | | | | | | | | |
| | Ezbekiya. | ʿAbdîn. | Bab el Shaʿriya. | Muski. | Gamaliya. | Sayeda Zeinab. | Darb el Ahmar. | Bulâq 1 and 2 | Waily. | Shubra. | Khalifa. | Old Cairo. | Zeitûn | Helwân. | Mîna el Bassal. | El Labbân. | El Attarîn. |
| CLASS I.—*Category A.* | | | | | | | | | | | | | | | | | |
| Aerated water factories | 8 | 1 | 2 | — | — | 1 | — | 4 | 1 | 4 | 1 | — | 3 | — | — | 2 | 4 |
| Preserved meat factories | — | 1 | — | — | — | — | — | 1 | — | — | — | — | — | — | — | 1 | — |
| Natural butter factories | — | 18 | — | — | — | — | — | 1 | 1 | 3 | — | — | 3 | 1 | — | — | 3 |
| Butter substitute factories | 4 | — | — | 4 | — | — | 1 | — | — | — | — | — | — | — | — | 1 | 4 |
| Milk bottling and canning establishments | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cheese factories | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sugar refineries | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Food markets | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Wholesale fish markets | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 | — | — | — | 1 |
| *Fessîkh* factories | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Fish preserving factories | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 23 | — |
| Ovens and bakeries | 44 | 18 | 65 | 34 | 44 | 77 | 65 | 55 | 47 | 28 | 51 | 15 | 11 | 8 | 55 | 45 | 66 |
| Sweetmeat factories | 4 | 7 | 12 | 20 | — | 9 | 7 | 17 | — | 3 | 6 | 2 | 1 | 4 | — | 6 | 12 |
| Vegetable and fruit preserving factories | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Dairies (sale of milk, etc.) | 18 | 15 | 4 | 3 | 6 | 22 | 4 | 1 | 11 | 7 | 9 | — | 8 | 5 | 5 | 4 | 39 |
| Ice cream factories and depots | 4 | 4 | 2 | — | 1 | — | 2 | — | — | — | — | — | — | — | — | 4 | 2 |
| Pastry and alimentary paste factories | 16 | 6 | 24 | 14 | 1 | 10 | 3 | 13 | 5 | 2 | 2 | 3 | 2 | 1 | 9 | 25 | 34 |
| Sugar-cane factories, etc., by mechanical motor | — | — | — | — | 1 | — | 1 | — | — | — | — | — | — | — | — | — | — |
| Starch factories | — | — | — | — | — | — | — | 1 | 1 | — | — | 2 | — | — | — | 1 | — |
| Breweries and beer factories | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Beer bottling establishments | 3 | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | 1 | — |
| Alcohol factories | — | — | — | 1 | — | — | — | — | — | — | — | — | — | 2 | — | — | — |
| Distilleries | 1 | — | 7 | 11 | 10 | — | 1 | 2 | — | — | — | 1 | — | — | — | 8 | 10 |
| Slaughter-houses | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — |
| Ice factories | — | 1 | — | — | — | — | — | 2 | — | 1 | — | — | — | — | — | 1 | — |
| Cold storage establishments | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — |
| Asphalt and bitumen factories | — | — | — | — | — | — | — | 3 | 2 | — | — | 1 | — | — | — | 1 | — |
| Match factories | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | — |
| Public baths | 1 | 2 | 5 | 2 | 11 | 8 | 15 | 6 | 1 | — | 6 | 1 | — | 2 | 2 | 2 | 2 |
| Cotton ginning factories | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — |
| Rice husking factories | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 |
| Hospitals | — | 4 | — | — | — | — | — | — | 1 | 2 | — | 1 | — | 1 | — | — | 2 |
| Crematoria | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Embalming establishments (human bodies) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Indiarubber factories | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — |
| Paper factories | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Candle, tallow, and soap factories | 9 | — | 3 | — | 10 | — | — | 4 | 2 | 7 | — | 3 | — | — | 2 | 12 | — |
| Tanneries | — | — | — | — | — | — | — | — | — | — | — | 37 | — | — | 16 | — | — |
| Mineral acids and chemical prod. factories | — | 1 | — | — | 7 | — | — | — | — | — | — | — | — | 1 | — | — | — |
| Depots of chemical products, except mineral acids and chemical manures | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | 5 | — | — |
| Sewage and refuse depots | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | 1 | — | 1 |
| Manufactories of manure from sewage, etc. | — | — | — | — | — | — | — | — | — | — | — | 2 | — | — | — | — | — |
| Knackers' yards | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — |
| Flax and hemp scutching and carding mills | — | — | — | — | — | — | — | — | — | 1 | — | 1 | — | — | 2 | — | 1 |
| Tobacco and cigarette factories | 1 | 1 | — | — | — | — | — | — | — | 2 | — | 1 | — | — | 1 | 6 | 3 |
| TOTAL CLASS I. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CLASS II.—*Category A.* | | | | | | | | | | | | | | | | | |
| Groceries (*baqqals*) | 528 | 245 | 280 | 245 | 492 | 403 | 485 | 427 | 285 | 345 | 236 | 151 | 177 | 167 | 219 | 234 | 395 |
| Retail oil shops (vegetable oils) | 23 | 1 | 18 | 18 | 28 | 14 | — | 64 | 1 | — | 23 | 33 | 10 | 10 | 1 | 6 | — |
| Wholesale grocery depots | 6 | — | — | 5 | 1 | — | — | — | — | — | — | — | — | — | — | 10 | — |
| Flour depots | 41 | 40 | 38 | 52 | 64 | 44 | 81 | 67 | 19 | 27 | 44 | 16 | 1 | — | 25 | 32 | 24 |
| Vinegar factories | — | — | 1 | 1 | — | 5 | — | 3 | — | 2 | — | — | — | — | — | — | 1 |
| Public kitchens | 59 | 22 | 16 | 35 | 57 | 24 | 17 | 13 | 11 | 11 | 10 | 4 | 7 | 8 | 16 | 33 | 53 |
| Sugar-cane factories, etc., without motor | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | 1 | 2 | — |
| *Fessîkh* depots | 1 | — | — | — | — | — | 17 | 14 | — | — | — | — | — | — | — | — | — |
| Pickle (*turshy*) factories | — | 1 | 7 | — | 1 | 1 | 3 | 3 | 2 | — | 4 | 3 | — | — | 1 | 4 | — |

AND III, LICENSED IN EGYPT UP TO DECEMBER 31, 1921.

| ALEXANDRIA. | | | | | | | | | | PROVINCES. | | | | | | | | | | | | | | TOTAL. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Moharrem Bey. | El Gumruk. | El Mina. | Karmûs. | El Raml and Hadra. | Maryût. | Manshiya. | Suez. | Damietta. | Port Said and Ismailia. | Beheira. | Gharbiya. | Daqahlîya. | Sharqiya. | Minufiya. | Qalyûbiya. | Giza. | Faiyûm. | Beni Suef. | Minya. | Asyût. | Girga. | Qena. | Aswân. | |
| — | 1 | — | 2 | 1 | — | 2 | 5 | — | 10 | 3 | 6 | 6 | 9 | 5 | 2 | — | 2 | 3 | 4 | 7 | 1 | 2 | 1 | 103 |
| — | 1 | — | — | — | — | 2 | — | — | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 8 |
| — | — | — | — | 2 | — | 2 | — | 9 | 1 | 1 | — | — | — | — | — | — | — | — | — | — | 3 | — | — | 48 |
| — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 15 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | 1 |
| — | — | — | — | 2 | — | — | — | 10 | — | — | 1 | 3 | — | 1 | 1 | — | — | — | 2 | — | — | — | — | 20 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | 3 | — | 2 | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 9 |
| — | — | — | 6 | — | — | 1 | 1 | — | 2 | 2 | 4 | 2 | 1 | 1 | — | 8 | 2 | — | 3 | 3 | 1 | 4 | — | 42 |
| — | — | — | — | — | — | 1 | — | 1 | — | — | 6 | — | — | — | — | — | — | — | — | 4 | — | — | — | 35 |
| — | — | — | — | 1 | — | 1 | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3 |
| 14 | 67 | — | 99 | 40 | — | 30 | 50 | 48 | 116 | 56 | 127 | 83 | 48 | 22 | 25 | 40 | 9 | 16 | 93 | 28 | 6 | 19 | 16 | 1,780 |
| 1 | 17 | — | 16 | 1 | — | 20 | — | 5 | 13 | 25 | 80 | 29 | 43 | 34 | 10 | 30 | 2 | 3 | 14 | 3 | 7 | 3 | — | 466 |
| — | — | — | — | — | — | — | — | — | — | — | 19 | — | — | — | — | 1 | — | — | — | — | — | — | — | 20 |
| 1 | 6 | — | 7 | 18 | — | 20 | — | — | 7 | — | 7 | — | 3 | — | 5 | 14 | 2 | — | 2 | 1 | 4 | — | — | 258 |
| 2 | — | — | — | 1 | — | 20 | 6 | — | 4 | — | — | 3 | — | — | — | — | — | — | — | — | — | — | — | 55 |
| — | 17 | — | 23 | 5 | — | 30 | 7 | 2 | 13 | 4 | 2 | 5 | 5 | 3 | — | 8 | — | — | 5 | — | — | 1 | 1 | 291 |
| — | — | — | — | — | — | — | — | — | — | — | — | 3 | — | — | — | — | — | — | 3 | 53 | 1 | 9 | — | 70 |
| — | — | — | 1 | — | — | — | — | — | — | — | 1 | — | — | — | — | 2 | — | — | — | — | — | — | — | 10 |
| 1 | — | — | 1 | 2 | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5 |
| — | — | — | — | — | — | — | — | — | 2 | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | 12 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 | — | 2 | 7 |
| 1 | — | — | 2 | — | — | 12 | — | — | 3 | 2 | 6 | 9 | 1 | 3 | 1 | 1 | — | — | — | 3 | 3 | 1 | — | 99 |
| — | — | — | — | — | — | — | 1 | 1 | — | 2 | 13 | 1 | 4 | 2 | 4 | — | 2 | 2 | 4 | 3 | 7 | 2 | — | 49 |
| 1 | — | — | 2 | 2 | — | — | 1 | 2 | 5 | 1 | 1 | 1 | 1 | — | — | — | 1 | — | 1 | 1 | — | — | 1 | 26 |
| — | — | — | — | — | — | — | — | — | 3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 5 |
| 2 | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 2 | — | 12 |
| 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3 |
| — | 2 | — | — | 4 | — | 1 | 2 | 2 | 2 | 2 | 10 | 3 | 1 | 1 | — | — | 2 | 1 | 1 | 2 | — | 1 | — | 103 |
| 1 | — | — | — | — | — | — | — | — | — | 18 | 34 | 6 | 9 | 8 | 5 | 1 | 8 | 8 | 5 | 4 | — | — | — | 108 |
| 1 | — | — | 1 | — | — | — | — | 27 | — | 18 | 19 | 55 | 19 | — | — | — | — | — | — | — | — | — | — | 141 |
| 7 | — | — | — | 3 | — | — | 3 | 1 | — | 2 | 5 | — | 3 | 2 | 5 | — | — | 2 | — | 2 | — | — | — | 46 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 |
| 1 | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 2 |
| 12 | 1 | — | 12 | 1 | — | 1 | — | — | — | — | — | — | 1 | — | — | — | — | — | 1 | 1 | — | — | — | 82 |
| — | — | — | — | — | — | — | — | 1 | — | 3 | 17 | 3 | 1 | 1 | — | — | 21 | — | 1 | 19 | 2 | 2 | — | 124 |
| 1 | — | — | — | — | — | — | — | — | — | — | — | — | 7 | — | — | — | — | — | — | — | — | — | — | 17 |
| — | — | — | — | — | — | — | — | — | — | — | 15 | 6 | 30 | — | — | 6 | 1 | — | — | 3 | — | — | — | 67 |
| — | — | — | — | 1 | — | — | 1 | 1 | — | — | 1 | — | — | 1 | — | — | — | — | — | — | — | — | — | 8 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | 2 | 1 | — | — | — | — | — | — | — | — | — | 5 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 9 | — | — | — | — | — | — | — | — | 14 |
| 4 | — | — | 2 | — | — | 3 | — | — | 6 | 2 | 1 | 1 | 1 | 1 | — | — | — | — | — | 1 | — | — | — | 37 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4,208 |
| 78 | 331 | — | 357 | 297 | — | 315 | 230 | 140 | 454 | 1660 | 3174 | 1323 | 1576 | 1207 | 602 | 489 | 547 | 162 | 304 | 341 | 196 | 221 | 192 | 19,510 |
| 1 | — | — | — | — | — | — | 110 | 95 | 365 | 64 | 317 | 280 | 46 | 97 | 41 | 91 | 113 | 43 | 91 | 74 | 44 | 43 | 95 | 2,260 |
| — | 10 | — | 7 | 3 | — | 180 | — | — | — | 5 | 37 | 7 | 3 | 2 | — | — | 1 | — | — | 12 | — | — | — | 289 |
| 6 | 31 | — | 63 | 18 | — | 28 | 35 | 6 | 127 | 8 | 35 | 13 | 6 | 2 | 3 | 14 | 1 | 1 | 1 | 36 | — | — | 9 | 1,061 |
| — | — | — | — | — | — | 2 | — | — | — | — | 5 | 4 | — | — | 1 | — | — | — | — | — | — | — | — | 25 |
| — | 13 | — | 23 | 29 | — | 66 | 28 | 8 | 71 | 27 | 86 | 66 | 75 | 42 | 27 | 62 | 23 | 16 | 76 | 77 | 40 | 45 | 35 | 1,331 |
| — | 2 | — | 2 | — | — | — | — | — | — | — | — | 3 | 1 | — | 1 | — | — | — | 9 | 97 | 5 | 446 | — | 570 |
| — | 5 | — | 3 | — | — | — | 2 | — | — | 4 | 12 | 15 | 16 | 2 | 4 | — | 2 | 12 | 11 | 2 | — | — | — | 122 |
| — | 3 | — | 2 | — | — | 2 | 2 | 3 | 2 | — | 7 | 6 | — | — | 2 | 5 | — | 3 | 2 | 12 | 1 | 1 | — | 83 |

TABLE V.—"ETABLISSEMENTS INSALUBRES" OF CLASSES I, II,

| NATURE OF ESTABLISHMENT. | GOVERNORATES. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CAIRO. | | | | | | | | | | | | | | | | |
| | Ezbekîya. | ʿAbdîn. | Bab el Shaʿrîya. | Muski. | Gamalîya. | Sayeda Zeinab. | Darb el Ahmar. | Bulâq 1 and 2. | Waily. | Shubra. | Khalîfa. | Old Cairo. | Zeitûn. | Helwân. | Mîna el Bassal. | El Labbân. | El Attarîn. |
| Oil mills | 4 | — | 9 | 2 | 5 | 4 | 5 | 7 | — | 2 | 3 | 3 | — | — | 2 | 4 | 1 |
| Corn mills | 4 | 2 | 1 | — | 5 | 7 | 1 | 18 | 5 | 10 | 3 | 2 | 3 | 4 | 7 | 4 | 2 |
| *Buza* and fermented drinks factories | 1 | 1 | 7 | 1 | 1 | 2 | 1 | 3 | — | — | 1 | 1 | — | 1 | — | 6 | 3 |
| Pig sties | — | — | — | — | — | 1 | — | — | — | — | — | 5 | 1 | 3 | 1 | — | — |
| Tripe factories | — | — | 8 | 2 | 3 | — | — | 9 | — | — | — | 1 | — | — | — | 14 | 1 |
| Dye works | 1 | 4 | 26 | 4 | 64 | 10 | 42 | 33 | 6 | 5 | 11 | 18 | 5 | 15 | 5 | 15 | 3 |
| Brick and tile works and potteries, lime and gypsum kilns (permanent) | — | — | — | — | — | — | — | 2 | — | 23 | 13 | 47 | 1 | 2 | — | — | — |
| Brick and tile works and potteries, lime and gypsum kilns (temporary on Nile banks and in towns) | — | — | — | — | — | — | — | — | 1 | 1 | — | — | — | 2 | — | — | — |
| Gypsum mills | — | — | 4 | — | 3 | 1 | 4 | 3 | — | 1 | 6 | 7 | — | 3 | — | — | — |
| Rag and bone stores | — | — | — | — | — | 1 | 1 | 2 | — | — | — | 6 | — | — | 5 | — | — |
| Glue factories (from animal matter) | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — |
| Catgut works | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4 | — | — |
| Depots of hides and skins | — | — | — | — | — | — | — | — | — | — | — | 20 | — | 1 | 22 | — | — |
| Public and cattle markets | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Calcination of bone factories | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — |
| Animal charcoal factories (from bones) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Public laundries | 1 | — | — | — | — | 1 | — | — | 1 | 1 | — | — | — | — | — | 2 | 1 |
| Mills for beating, carding, pressing of wool, hair, etc. | — | — | 2 | — | 12 | — | 2 | 6 | — | — | — | — | — | — | — | — | — |
| Rag teasing establishments | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Rope factories | — | — | — | — | — | 2 | — | 2 | — | — | — | — | — | — | — | 1 | — |
| Industrial estab. employing animals etc. | — | — | — | — | — | — | 10 | — | — | — | — | — | — | — | — | — | — |
| Mills for grinding grains and husks, etc. | — | — | 6 | — | — | 3 | 10 | — | — | 1 | — | — | — | — | 3 | 2 | 10 |
| Depots and Establishments for sale of Butter and Butter Substitute | 7 | 4 | — | 65 | — | 6 | — | 2 | — | 3 | — | — | — | — | 1 | — | 2 |
| CLASS II.—*Category B.* | | | | | | | | | | | | | | | | | |
| Public stables | — | 14 | 63 | 9 | — | 45 | 79 | 152 | 35 | 196 | 37 | 51 | 1 | 17 | 120 | 72 | 20 |
| *Zerîbas* for animals | — | 5 | — | 1 | — | 16 | 8 | 2 | 1 | 10 | 6 | — | 4 | — | 8 | 6 | — |
| Cattle sheds, etc. | 29 | — | 49 | — | 82 | — | — | — | — | — | — | — | — | 2 | — | — | — |
| Factories for beverages other than aerated and alcoholic | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — |
| Retail *fessîkh* establishments | 7 | 3 | 11 | 1 | 5 | 8 | 17 | 11 | 3 | 4 | 5 | 4 | — | 1 | — | 7 | — |
| Frying and roasting est. (meat, fish, etc.) | 120 | 135 | 118 | 11 | 116 | 117 | 90 | 237 | 79 | 171 | 98 | 11 | 29 | 30 | 79 | 69 | 84 |
| Chicken incubator buildings | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 | — | — | — |
| TOTAL CLASS II | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| CLASS III.—*Category A.* | | | | | | | | | | | | | | | | | |
| Retting of hemp and flax for trade purposes | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — |
| Lime and gypsum kilns, temporary | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — |
| Brick fields, temporary | — | — | — | — | — | — | — | 8 | — | 5 | — | — | — | — | — | — | — |
| Tile works temporary | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Potteries, temporary | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Clothes ironing establishments | 133 | 115 | 36 | 36 | 28 | 66 | 61 | 39 | 71 | 16 | 23 | 11 | 45 | 25 | 4 | 10 | 64 |
| Depots of cement and gypsum | 12 | 3 | 3 | 4 | 5 | 15 | 5 | 13 | 2 | 20 | 4 | 2 | — | — | 9 | 13 | 9 |
| CLASS III.—*Category B.* | | | | | | | | | | | | | | | | | |
| Butchers' shops | 79 | 42 | 51 | 61 | 33 | 61 | 68 | 47 | 46 | 54 | 30 | 28 | 19 | 49 | 11 | 21 | 48 |
| Fresh fish shops | 21 | — | 1 | 15 | — | 1 | 1 | — | — | 1 | — | — | 1 | — | — | 2 | 1 |
| Shops for sale of birds and game | 22 | 8 | 3 | 41 | 2 | 6 | 7 | 5 | 14 | 6 | 3 | — | 3 | 6 | 4 | 7 | 7 |
| Shops for sale of vegetables and fruit | 5 | 4 | 7 | 67 | 33 | 40 | 1 | 33 | 23 | 28 | 23 | 6 | 2 | — | 75 | 32 | 82 |
| TOTAL CLASS III | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| TOTAL CLASS II | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| TOTAL CLASS I | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| GRAND TOTAL | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

AND III, LICENSED IN EGYPT UP TO DECEMBER 31, 1921 (*continued*).

| ALEXANDRIA. | | | | | | | | | | PROVINCES. | | | | | | | | | | | | | | TOTAL. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Moharrem Bey. | El Gumruk. | El Mîna. | Karmûs. | El Raml and Hadra. | Maryût. | Manshîya. | Suez. | Damietta. | Port Said and Ismailia | Beheira. | Gharbîya. | Daqahliya. | Sharqîya. | Minufîya. | Qalyûbîya. | Giza. | Faiyûm. | Beni Suef. | Minya. | Asyût. | Girga. | Qena. | Aswân. | |
| 2 | 8 | — | 2 | — | — | — | — | 11 | 1 | 10 | 26 | 31 | 43 | 2 | 9 | 4 | 5 | — | 5 | 6 | 102 | 76 | 17 | 411 |
| 3 | 4 | — | 9 | 5 | — | — | 2 | 20 | 5 | 32 | 124 | 71 | 31 | 6 | 40 | 36 | 31 | 22 | 17 | 68 | 100 | 20 | 2 | 726 |
| — | 1 | — | 2 | — | — | — | 3 | — | 1 | 6 | 21 | — | 18 | 7 | — | — | 1 | 4 | 5 | 9 | 12 | 6 | — | 125 |
| — | — | — | 1 | — | — | — | 12 | — | 8 | — | 5 | 3 | — | 2 | 2 | 4 | — | 2 | — | 1 | 3 | — | — | 44 |
| — | — | — | — | — | — | — | 3 | — | — | — | 13 | 1 | 5 | 8 | 8 | 2 | 5 | 9 | 15 | 7 | — | 4 | — | 118 |
| 1 | 8 | — | 14 | 3 | — | 14 | 4 | 18 | 8 | 169 | 390 | 219 | 338 | 596 | 184 | 367 | 196 | 398 | 530 | 275 | 304 | 183 | 13 | 4,499 |
| — | — | — | — | — | — | — | 6 | 10 | — | 37 | 92 | 55 | 76 | 125 | 9 | 37 | 16 | 45 | 82 | 50 | 37 | 70 | 5 | 840 |
| — | — | — | — | — | — | — | — | 3 | — | 3 | 6 | — | 8 | — | — | — | 2 | 8 | — | 14 | 3 | — | 1 | 52 |
| 1 | — | — | — | — | — | — | — | 3 | 1 | — | — | — | — | — | 2 | 2 | 1 | 9 | — | — | — | — | — | 51 |
| — | — | — | 7 | — | — | — | — | — | 1 | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | 25 |
| — | — | — | 1 | — | — | — | — | 1 | — | — | — | — | — | — | — | 5 | — | — | — | — | — | — | — | 8 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4 |
| — | — | — | — | — | — | — | 2 | — | — | 8 | 37 | 7 | 12 | 12 | 14 | 1 | 1 | 5 | 9 | 3 | 1 | — | 2 | 157 |
| — | — | — | — | — | — | — | — | — | — | 20 | 36 | 17 | 18 | 19 | 8 | 12 | 6 | 12 | 25 | 12 | 14 | 5 | 1 | 206 |
| — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | 2 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 1 | — | — | 1 | 1 | — | — | 4 | — | 10 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 24 |
| — | — | — | 4 | — | — | — | — | — | — | — | 47 | — | — | — | 10 | — | — | — | — | — | — | 1 | — | 83 |
| — | — | — | — | — | — | — | — | — | — | — | 10 | — | — | — | — | — | — | — | — | — | — | — | — | 10 |
| — | — | — | — | — | — | — | — | 8 | — | — | — | 3 | — | — | 18 | — | — | — | — | — | — | — | — | 34 |
| — | — | — | — | — | — | — | — | — | — | — | 18 | — | 5 | — | 1 | — | — | — | — | — | — | — | — | 34 |
| — | — | — | 3 | 2 | — | 20 | 3 | 10 | 5 | — | 8 | 2 | — | — | 3 | — | — | — | — | 28 | 2 | — | 2 | 123 |
| — | — | — | 1 | — | — | 14 | 16 | 8 | 17 | — | — | — | — | — | — | 1 | 2 | — | — | — | 2 | — | — | 151 |
| 109 | 60 | — | 345 | 53 | — | 3 | 29 | 9 | 42 | 21 | 158 | 89 | 47 | 6 | 12 | 6 | 5 | 11 | 9 | 8 | 2 | 3 | — | 1,938 |
| 2 | — | — | 95 | 22 | — | — | — | — | 24 | — | 43 | — | — | — | 1 | 13 | — | 1 | — | 1 | 6 | — | — | 275 |
| — | — | — | — | — | — | — | 5 | — | — | — | 28 | — | — | 3 | — | — | — | 19 | — | — | 3 | — | 4 | 224 |
| 1 | 7 | — | — | — | — | 4 | — | — | 3 | — | — | 2 | — | 2 | — | — | 1 | — | — | — | — | 1 | — | 22 |
| — | 1 | — | 3 | 1 | — | 8 | 2 | 7 | 2 | 13 | 65 | 14 | 23 | 49 | 14 | 2 | 7 | 3 | 10 | 19 | 59 | 5 | 2 | 396 |
| 30 | 52 | — | 112 | 58 | — | 57 | 48 | 19 | 71 | 65 | 401 | 165 | 148 | 167 | 84 | 156 | 70 | 59 | 82 | 129 | 44 | 49 | 32 | 3,792 |
| — | — | — | 1 | 1 | — | — | — | 1 | — | 4 | 27 | 6 | 9 | 17 | 9 | 1 | 9 | 15 | 19 | 39 | 33 | 48 | 5 | 246 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 39,871 |
| — | — | — | — | — | — | — | — | — | — | — | 1 | 1 | — | 9 | 22 | — | — | — | — | 3 | 3 | — | — | 40 |
| — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | 9 | — | 10 | — | — | — | 10 | 2 | — | — | 33 |
| — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | 4 | 1 | — | — | 5 | — | 1 | — | — | — | 25 |
| — | — | — | — | — | — | — | — | — | — | — | 42 | — | — | — | — | 7 | — | — | — | — | — | — | — | 49 |
| — | — | — | — | — | — | — | — | — | — | 12 | 9 | — | — | 20 | — | 6 | — | — | — | — | 5 | 46 | — | 98 |
| 17 | 20 | — | 33 | 55 | — | 18 | 25 | 11 | 48 | 17 | 124 | 48 | 45 | 36 | 20 | 31 | 23 | 22 | 47 | 51 | 23 | 31 | 14 | 1,537 |
| 2 | 5 | — | 19 | 9 | — | 5 | 8 | 3 | 7 | — | 15 | 4 | 8 | 5 | — | 3 | — | — | — | 1 | — | — | — | 213 |
| 3 | 23 | — | 41 | 27 | — | 83 | 21 | 13 | 53 | 73 | 363 | 136 | 123 | 134 | 134 | 136 | 72 | 86 | 125 | 234 | 112 | 149 | 28 | 2,917 |
| — | 6 | — | 6 | 9 | — | 18 | — | 9 | 6 | 5 | 7 | 19 | 2 | 1 | 3 | 4 | — | 1 | 4 | 1 | 14 | 9 | 7 | 175 |
| 1 | 1 | — | 1 | 6 | — | 14 | 6 | — | 8 | 1 | 5 | 1 | — | 1 | — | — | 1 | — | — | — | 5 | 3 | — | 198 |
| 14 | 30 | — | 68 | 45 | — | 85 | 25 | 20 | 41 | 27 | 90 | 63 | 51 | 4 | 19 | — | 24 | 6 | 12 | 17 | 6 | 15 | — | 1,123 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 6,408 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 39,871 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 4,208 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 50,487 |

## 3.—CEMETERIES AND PRIVATE TOMBS.

The outstanding features in the cemeteries work during 1921 were :—

(1) The preparation of a Draft Decree delimitating the Moslem Cemeteries in Cairo lying at the foot of Moqattam Hills.

(2) The preparation of a Draft Law instituting a special Committee to deal with the internal organization and maintenance of the Cairo Moslem Cemeteries.

Both this decree and law have been forwarded to the Council of Ministers for approval.

(3) The preparation of a Draft Law instituting special Committees in Towns and Bandars provided with Municipal or Local Commissions to be entrusted with the control and maintenance of Moslem Cemeteries and the reorganization of the duties and discipline of grave diggers and undertakers.

This law is now in the hands of the Contentieux for examination.

The attached tables show the work done during 1921 in connection with newly created cemeteries or additions to existing cemeteries ; special authorizations given by the Department during 1921 for burial in private tombs not situated within cemeteries ; Cases of encroachments on cemetery land dealt with by legal action.

TABLE VI.— (*a*) WORK DONE IN CONNECTION WITH CEMETERIES DURING 1921.

| GOVERNORATES AND PROVINCES. | NEW CEMETERIES. | | | | OLD CEMETERIES. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Establishment. | Enlargement. | Roads for Cemeteries. | Cases under Consideration. | Surrounded by Pillars. | Authorized. | Portion Condemned. | Condemned. | DISAFFECTED. Already disaffected. | DISAFFECTED. Under disaffection |
| GOVERNORATES. | | | | | | | | | | |
| Cairo ... ... ... ... ... | 1 | — | — | 14 | — | — | — | — | — | — |
| Suez ... ... ... ... ... | 3 | — | — | 8 | — | — | — | — | — | — |
| Port-Said ... ... ... ... | 6 | — | — | 8 | — | — | — | — | — | — |
| PROVINCES. | | | | | | | | | | |
| Gharbîya ... ... ... ... | 3 | — | 2 | 129 | 72 | 17 | — | 1 | 4 | 16 |
| Beheira ... ... ... ... | 1 | 1 | 1 | 60 | 85 | 19 | 1 | 2 | 1 | 2 |
| Minûfîya ... ... ... ... | 3 | 1 | — | 68 | 2 | 2 | — | — | 3 | 14 |
| Sharqîya ... ... ... ... | 3 | 1 | — | 59 | 35 | — | — | 1 | 1 | 6 |
| Daqahlîya ... ... ... ... | 2 | 2 | 1 | 28 | 8 | 1 | — | — | 3 | 8 |
| Qalyûbîya ... ... ... ... | — | 1 | — | 35 | — | — | — | — | 6 | 5 |
| Gîza ... ... ... ... ... | 2 | — | — | 20 | — | 1 | — | — | — | 4 |
| Beni Suef ... ... ... ... | 1 | — | 1 | 16 | — | — | — | — | — | 2 |
| Faiyûm ... ... ... ... ... | — | — | — | 28 | 26 | — | — | — | 1 | 4 |
| Minya ... ... ... ... ... | 3 | 1 | 2 | 28 | — | — | — | — | — | 2 |
| Asyût ... ... ... ... ... | — | — | — | 18 | 64 | 1 | — | — | 3 | 10 |
| Girga ... ... ... ... ... | 1 | — | 1 | 39 | — | 4 | — | — | — | 21 |
| Qena ... ... ... ... ... | — | 1 | — | 21 | — | 5 | — | — | — | 2 |
| Aswân ... ... ... ... ... | — | — | — | 14 | — | — | — | — | — | 3 |
| TOTAL ... ... ... | 29 | 8 | 8 | 593 | 292 | 50 | 1 | 4 | 22 | 99 |

TABLE VII.—SPECIAL AUTHORIZATIONS GIVEN BY THE DEPARTMENT OF PUBLIC HEALTH DURING 1921 FOR BURIAL IN PRIVATE TOMBS NOT SITUATED WITHIN CEMETERIES.

| Provinces. | Number of Authorized Tombs. | Cases Under Consideration. |
|---|---|---|
| Beheira ... ... ... ... ... ... | — | 1 |
| Sharqîya... ... ... ... ... ... | 1 | 2 |
| Qalyûbîya ... ... ... ... ... | — | 2 |
| Daqahlîya ... ... ... ... ... | 1 | — |
| Faiyûm ... ... ... ... ... ... | — | 2 |
| Minûfîya... ... ... ... ... ... | 1 | 1 |
| Minya ... ... ... ... ... ... | — | 1 |
| Gîza... ... ... ... ... ... ... | 1 | — |
| Gharbîya ... ... ... ... ... | — | 2 |
| TOTAL ... ... | 4 | 11 |

Several other applications for private tombs were submitted to the Department and routine inquiries resulted in their refusal.

TABLE VIII.—LEGAL ACTIONS: ENCROACHMENTS ON CEMETERY LANDS DURING 1921.

| GOVERNORATES AND PROVINCES. | Judgment in Government's Favour. | Judgment against Government. | Encroachments adjusted or not proved. | Cases under Consideration. |
|---|---|---|---|---|
| GOVERNORATES. | | | | |
| Cairo ... ... ... ... ... ... | — | — | — | 8 |
| Suez ... ... .. ... ... ... | — | — | — | 1 |
| Damietta ... ... ... ... ... | — | — | — | 3 |
| PROVINCES. | | | | |
| Gharbîya ... ... ... ... ... | 1 | 2 | 20 | 79 |
| Sharqîya ... ... ... ... ... | 1 | — | 29 | 83 |
| Qalyûbîya ... ... ... ... ... | — | — | 7 | 22 |
| Beheira ... ... ... ... ... | 2 | 3 | 9 | 42 |
| Daqahlîya ... ... ... ... | — | — | 6 | 36 |
| Minûfîya ... ... ... ... ... | — | — | 8 | 35 |
| Beni Suef ... ... ... ... | — | 1 | — | 10 |
| Faiyûm ... ... ... ... ... | 3 | — | 8 | 39 |
| Gîza ... ... ... ... ... ... | — | — | 5 | 7 |
| Girga ... ... ... ... ... | — | — | 1 | 7 |
| Asyût ... ... ... ... ... | 1 | — | 2 | 11 |
| Minya ... ... ... ... ... | 1 | — | 5 | 14 |
| Aswân ... ... ... ... ... | — | — | 1 | 3 |
| Qena ... ... ... ... ... ... | — | — | 12 | 10 |
| TOTAL ... ... | 9 | 6 | 113 | 410 |

## 4.—BIRKAS.

The Department of Public Health continued taking the necessary steps, during 1921, to enforce Law No. 5 of 1914 relating to the filling in or draining of such private *birkas* as constituted a danger to the public health. This law became applicable to foreigners by Law No. 18 of 1916.

The State Domains, as well as other Government Administrations concerned, have been requested to fill in or drain insanitary *birkas* on their property.

The number of private *birkas* inspected during 1921 and found to constitute a danger to public health to which consequently the said law was applied amounted to 110, covering an area of 140 feddâns.

TABLE IX.—NUMBER AND AREA OF GOVERNMENT *Birkas* FILLED IN DURING 1921.

| PROVINCES. | Number of *Birkas* filled in. | TOTAL AREA. | | | |
|---|---|---|---|---|---|
| | | Feddâns. | Qirâts. | Sahms. | Square Metres. |
| Gharbîya ... ... ... ... ... ... ... ... | 3 | — | 21 | — | 3,676 |
| Beheira ... ... ... ... ... ... ... ... | 2 | — | 13 | — | 2,275 |
| Sharqîya ... ... ... ... ... ... ... ... | 5 | — | 19 | 2 | 3,340 |
| Daqahlîya ... ... ... ... ... ... ... ... | 2 | — | 8 | 12 | 1,488 |
| Minufîya ... ... ... ... ... ... ... ... | 1 | 1 | — | — | 4,200 |
| Qalyûbîya ... ... ... ... ... ... ... ... | 1 | — | 9 | — | 1,575 |
| Gîza ... ... ... ... ... ... ... ... ... | 2 | — | 16 | — | 2,801 |
| Beni Suef ... ... ... ... ... ... ... ... | 3 | 2 | — | 17 | 8,526 |
| Minya ... ... ... ... ... ... ... ... ... | 4 | 1 | 10 | 12 | 6,039 |
| Asyût ... ... ... ... ... ... ... ... ... | 5 | — | 17 | 3 | 2,995 |
| TOTAL ... ... | 28 | 8 | 18 | 22 | 36,915 |

## 5.—MOSQUES.

### (*a*) Private Mosques.

The following is a statement of the work which has been carried out in connection with the improvement of the ablution and drainage systems of private mosques throughout the country :—

| | Cairo. | Provinces. | Total. |
|---|---|---|---|
| Ablution systems of private mosques newly constructed and opened for use ... ... ... ... ... ... ... ... ... ... ... ... ... ... | — | 2 | 2 |
| Ablution systems of old private mosques requiring repairs :— | — | | |
| Number opened for use after repair ... ... ... ... ... ... | — | 62 | 62 |
| „ closed for want of repair ... ... ... ... ... ... ... | — | 438 | 438 |
| „ under repair ... ... ... ... ... ... ... ... ... ... | — | 651 | 651 |

### (*b*) Mosques belonging to the Ministry of Waqfs.

A sum of L.E. 2,500 has been granted in 1921–1922 budget for the sanitation of mosques belonging to the Ministry of Waqfs. This sum represents the Government share of the cost of the sanitary installations for these mosques, some of which have already been finished and some of which are still under execution.

The following is a statement showing the work done in connection with these mosques up to end of 1921 :—

| | |
|---|---|
| Plans and estimates of sanitary installations approved (work still in progress) ... ... | 10 |
| Sanitary installations approved in 1920 but work completed and drainage system opened in 1921 ... ... ... ... ... ... ... ... ... ... ... ... ... | 11 |

## 6.—SLAUGHTER-HOUSES AND SLAUGHTERING SITES.

No new slaughter-houses were approved by the Administration during 1921.

Sites for the slaughter of animals for food, in villages where no slaughter-houses exist, were approved in the following villages :—

Kôm el Nûr (Daqahlîya).
Sandabast (Gharbîya).
Badrshein (Gîza).

## 7.—SEWAGE DÉPOTOIRS.

One sewage *dépotoir* was approved by the Administration during 1921 at Sohâg Bandar.

## 8.—PROSTITUTION.

The following tables indicate the places to which the Regulations regarding *Maisons de Tolérance* were applied and also certain information regarding the prostitutes examined during 1921.

TABLE X.—STATISTICS REGARDING EXAMINATION OF PROSTITUTES DURING 1921.

| PLACE. | Number of Prostitutes. | Number of Examinations. | SICK OF | | |
|---|---|---|---|---|---|
| | | | Syphilis. | Gonorrhœa. | Other Diseases. |
| **GOVERNORATES.** | | | | | |
| Cairo ... ... Natives ... ... ... ... ... | 1,654 | 35,483 | 148 | 2,191 | 197 |
| Cairo ... ... Europeans ... ... ... ... | 327 | 9,795 | 18 | 252 | 27 |
| Alexandria ... ... ... ... ... ... ... ... | 1,481 | 46,653 | 206 | 315 | 388 |
| Port Said ... Natives ... ... ... ... ... | 182 | 10,669 | 27 | 121 | 20 |
| Port Said ... Europeans ... ... ... ... | 88 | 2,893 | 2 | 53 | 31 |
| Ismailia ... Natives ... ... ... ... ... | 126 | 3,582 | 9 | 48 | 4 |
| Ismailia ... Europeans ... ... ... ... | 13 | 226 | 3 | 15 | 1 |
| Suez ... ... ... ... ... ... ... ... ... | 101 | 4,529 | 15 | 250 | 49 |
| Damietta ... ... ... ... ... ... ... ... | 2 | 85 | 1 | 1 | 1 |
| **PROVINCES.** | | | | | |
| *Beheira :—* | | | | | |
| Damanhûr ... ... ... ... ... ... ... | 194 | 4,544 | 44 | 65 | 8 |
| Shubrakhît ... ... ... ... ... ... ... | 8 | 284 | 1 | — | — |
| *Gharbîya :—* | | | | | |
| Tanta ... ... ... ... ... ... ... ... | 307 | 6,738 | 100 | 63 | 25 |
| Disûq ... ... ... ... ... ... ... ... | 26 | 525 | 4 | 5 | — |
| Mahalla el Kubra ... ... ... ... ... ... | 64 | 1,977 | 1 | 3 | 5 |
| Kafr el Zaiyât ... ... ... ... ... ... | 48 | 1,048 | 6 | 5 | 1 |
| *Minûfiya :—* | | | | | |
| Shibîn el Kôm ... ... ... ... ... ... | 18 | 386 | 2 | 4 | 1 |
| Minûf ... ... ... ... ... ... ... ... | 10 | 425 | 1 | — | — |
| *Sharqîya :—* | | | | | |
| Zagazig ... ... ... ... ... ... ... ... | 180 | 2,009 | 38 | 114 | 17 |
| Bilbeis ... ... ... ... ... ... ... ... | 25 | 928 | 6 | 22 | 4 |
| Faqûs ... ... ... ... ... ... ... ... | 13 | 355 | 13 | 12 | 1 |
| Ibrahimia ... ... ... ... ... ... ... | 40 | 380 | — | 20 | 12 |
| *Daqahlîya :—* | | | | | |
| Mansûra ... ... ... ... ... ... ... ... | 176 | 4,667 | 80 | 96 | — |
| Mît Ghamr ... ... ... ... ... ... ... | 47 | 1,615 | 19 | 1 | — |
| Simbillâwein ... ... ... ... ... ... ... | 40 | 628 | 5 | 8 | — |
| *Qalyûbîya :—* | | | | | |
| Benha ... ... ... ... ... ... ... ... | 69 | 3,588 | 29 | 27 | 3 |
| *Gîza :—* | | | | | |
| Gîza ... ... ... ... ... ... ... ... | 40 | 849 | 1 | 2 | — |
| Imbâba ... ... ... ... ... ... ... ... | 33 | 1,198 | 4 | 18 | 2 |
| *Faiyûm :—* | | | | | |
| Faiyûm ... ... ... ... ... ... ... ... | 61 | 2,017 | 8 | 17 | 4 |
| *Beni Suef :—* | | | | | |
| Beni Suef ... ... ... ... ... ... ... | 71 | 2,268 | 25 | 63 | 2 |
| *Minya :—* | | | | | |
| Minya ... ... ... ... ... ... ... ... | 135 | 3,079 | 41 | 210 | 5 |
| Beni Mazâr ... ... ... ... ... ... ... | 35 | 1,509 | 3 | 19 | — |
| *Asyût :—* | | | | | |
| Mallawi ... ... ... ... ... ... ... ... | 23 | 1,312 | 2 | 1 | 2 |
| Asyût ... ... ... ... ... ... ... ... | 156 | 1,862 | 45 | 182 | 1 |
| Rôda ... ... ... ... ... ... ... ... | 16 | 42 | 1 | 9 | — |
| Manfalût ... ... ... ... ... ... | 30 | 730 | 2 | 7 | — |
| Abu Tîg ... ... ... ... ... ... ... ... | 55 | 48 | 7 | 37 | — |
| *Girga :—* | | | | | |
| Sohâg ... ... ... ... ... ... ... ... | 97 | 2,484 | 13 | 93 | — |
| Tahta ... ... ... ... ... ... ... ... | 25 | 506 | 1 | 1 | 2 |
| Akhmîm ... ... ... ... ... ... ... ... | 15 | 562 | 1 | 32 | 10 |
| Girga ... ... ... ... ... ... ... ... | 49 | 916 | 7 | 27 | 3 |
| Balyâna ... ... ... ... ... ... ... ... | 62 | 966 | 10 | 16 | 2 |
| *Qena :—* | | | | | |
| Qena ... ... ... ... ... ... ... ... | 76 | 1,491 | 11 | 35 | 2 |
| Luxor ... ... ... ... ... ... ... ... | 60 | 1,251 | 19 | 8 | — |
| Qûs ... ... ... ... ... ... ... ... ... | 5 | 160 | — | 25 | — |
| Dishna ... ... ... ... ... ... ... ... | 10 | 52 | 1 | 3 | 4 |
| Nag' Hammâdi ... ... ... ... ... ... | 43 | 1,119 | 2 | 6 | 5 |
| Farshût ... ... ... ... ... ... ... ... | 23 | 543 | — | 3 | 1 |
| *Aswân :—* | | | | | |
| Aswân ... ... ... ... ... ... ... ... | 10 | 508 | 3 | 17 | 2 |
| TOTAL... ... | 6,369 | 169,484 | 985 | 4,522 | 842 |

Table XI.—Number of Prostitutes treated in Government Hospitals during 1921.

| Hospitals. | Number of Prostitutes. | Diseases. | | |
|---|---|---|---|---|
| | | Syphilis. | Gonorrhœa. | Other Diseases. |
| Cairo ... ... Hôd el Marsûd for Natives ... ... ... | 3,581 | 913 | 2,418 | 250 |
| Cairo ... ... Lock Hospital for Europeans ... ... | 332 | 21 | 284 | 27 |
| Alexandria... Lock Hospital for Natives ... ... ... | 914 | 241 | 306 | 367 |
| Alexandria... Lock Hospital for Europeans... ... ... | 484 | 84 | 146 | 254 |
| Suez ... ... ... ... ... ... ... ... ... ... ... | 314 | 15 | 250 | 49 |
| Port Said ... ... ... ... ... ... ... ... ... ... | 195 | 33 | 117 | 45 |
| Damietta ... ... ... ... ... ... ... ... ... ... | 3 | 1 | 1 | 1 |
| Tanta ... ... ... ... ... ... ... ... ... ... ... | 196 | 81 | 101 | 14 |
| Damanhûr ... ... ... ... ... ... ... ... ... ... | 117 | 44 | 65 | 8 |
| Mansûra... ... ... ... ... ... ... ... ... ... ... | 176 | 80 | 96 | — |
| Zagazig ... ... ... ... ... ... ... ... ... ... ... | 169 | 38 | 114 | 17 |
| Shibîn el Kôm ... ... ... ... ... ... ... ... ... | 7 | 2 | 4 | 1 |
| Benha ... ... ... ... ... ... ... ... ... ... ... | 59 | 29 | 27 | 3 |
| Beni Suef ... ... ... ... ... ... ... ... ... ... | 90 | 25 | 63 | 2 |
| Faiyûm ... ... ... ... ... ... ... ... ... ... ... | 29 | 8 | 17 | 4 |
| Minya ... ... ... ... ... ... ... ... ... ... ... | 256 | 41 | 210 | 5 |
| Asyût ... ... ... ... ... ... ... ... ... ... ... | 228 | 45 | 182 | 1 |
| Sohâg ... ... ... ... ... ... ... ... ... ... ... | 218 | 34 | 184 | — |
| Qena ... ... ... ... ... ... ... ... ... ... ... | 166 | 27 | 132 | 7 |
| Isna... ... ... ... ... ... ... ... ... ... ... ... | 76 | 4 | 71 | 1 |
| Aswân ... ... ... ... ... ... ... ... ... ... ... | 22 | 3 | 17 | 2 |
| Total ... ... ... | 7,632 | 1,769 | 4,805 | 1,058 |

## 9.—MEDICO-LEGAL EXAMINATIONS AND REPORTS.

Table XII.—Statistics.

| Locality. | Slight. | | Serious. | | Fatal. | | Total. | |
|---|---|---|---|---|---|---|---|---|
| | Accident. | Criminal. | Accident. | Criminal. | Accident. | Criminal. | Accident. | Criminal. |
| Governorates. | | | | | | | | |
| Cairo... ... ... ... ... | 1,064 | 8,382 | 138 | 167 | 166 | 60 | 1,368 | 8,609 |
| Alexandria... ... ... ... | 1,219 | 2,897 | 327 | 217 | 317 | 198 | 1,863 | 3,312 |
| Canal ... ... ... ... ... | 192 | 873 | 31 | 15 | 55 | 4 | 278 | 892 |
| Suez ... ... ... ... ... | 38 | 343 | 2 | 5 | 19 | — | 59 | 348 |
| Damietta ... ... ... ... | 10 | 385 | — | 15 | 25 | 6 | 35 | 406 |
| Provinces. | | | | | | | | |
| *Lower Egypt* :— | | | | | | | | |
| Beheira ... ... ... ... | 291 | 2,583 | 129 | 303 | 304 | 137 | 724 | 3,023 |
| Gharbîya ... ... ... | 758 | 3,906 | 309 | 339 | 460 | 230 | 1,527 | 4,475 |
| Minûfîya ... ... ... | 261 | 3,828 | 220 | 228 | 286 | 87 | 767 | 4,143 |
| Daqahlîya ... ... ... | 285 | 2,718 | 155 | 103 | 277 | 66 | 717 | 2,887 |
| Sharqîya... ... ... ... | 338 | 2,347 | 201 | 186 | 319 | 87 | 858 | 2,620 |
| Qalyûbîya ... ... ... | 169 | 1,240 | 114 | 104 | 153 | 62 | 436 | 1,406 |
| *Upper Egypt* :— | | | | | | | | |
| Gîza... ... ... ... ... | 185 | 1,836 | 121 | 200 | 208 | 126 | 514 | 2,162 |
| Faiyûm ... ... ... ... | 146 | 1,478 | 71 | 128 | 84 | 63 | 301 | 1,669 |
| Beni Suef ... ... ... | 277 | 2,055 | 73 | 196 | 75 | 86 | 425 | 2,337 |
| Minya ... ... ... ... | 104 | 2,023 | 148 | 318 | 195 | 132 | 447 | 2,473 |
| Asyût ... ... ... ... | 405 | 3,900 | 442 | 1,108 | 334 | 243 | 1,181 | 5,251 |
| Girga ... ... ... ... | 185 | 2,735 | 136 | 298 | 324 | 100 | 645 | 3,133 |
| Qena ... ... ... ... | 151 | 1,560 | 133 | 251 | 237 | 75 | 521 | 1,886 |
| Aswân ... ... ... ... | 95 | 531 | 57 | 91 | 102 | 6 | 254 | 628 |
| Total ... ... | 6,173 | 45,620 | 2,807 | 4,272 | 3,940 | 1,768 | 12,920 | 51,660 |

## II.—REPORT ON THE WORK OF SECTION II.

### 1.—HOSPITALS.

*New Works.*—It is to be regretted that owing to lack of funds, much of the building programme, already so far behind, has had again to be postponed. The proposed new pavilion for Alexandria, the foundations of which were laid some years ago, still awaits completion. Work on the new hospital at Damietta has also been interrupted though the foundations have already been completed. Many other pressing requirements have similarly had to be postponed.

At Qena, L.E. 500 was raised by private subscription to supply the hospital with the electric plant necessary for lighting and for X-ray work. A further amount, however, is required to cover the cost, and until it has been possible to provide the additional sum required, it will be necessary to postpone the installation.

The following new buildings and extensions have been completed :—

(1) An infectious block of two pavilions (fifty beds) at Suez Hospital.

(2) A house for nursing sisters at the Port Said Infectious Hospital.

(3) The extension of the nursing sisters' residence at Abbassia Fever Hospital.

(4) New quarters for eight assistant nurses and three *hakimas* at Abbassia Fever Hospital.

(5) Quarters for three nursing sisters at Zagazig Hospital.

(6) An out-patient section at Damanhûr Hospital.

(7) Remodelling of the drainage system of Asyût Hospital.

*General.*—The number of in-patients treated in the Government hospitals during the year is less than in 1920. The number of out-patients receiving treatment is, however, greater, and a larger number of operations were performed as compared with the previous year. The following shows the comparative figures for 1920 and 1921 :—

| | 1920 | 1921 | Increase or Decrease. |
|---|---|---|---|
| Number of in-patients... ... ... ... ... ... | 62,493 | 57,901 | — 4,592 |
| Number of out-patients ... ... ... ... ... | 274,557 | 285,983 | +11,426 |
| Number of operations... ... ... ... ... ... | 12,797 | 17,370 | + 4,573 |

*X-rays.*—Alexandria, Suez, Port Said, Zagazig, Tanta, Damahûr, Benha, Mansûra, Qaliyûb, Qas el 'Aini, Beni Suef, and Asyût Hospitals are now equipped with *X*-ray apparatus. Difficulties of upkeep during the war resulted in some deterioration in the older installations and on the report of the expert of the Physical Department, Ministry of Public Works, it has been necessary to stop the further use of some of the apparatus pending repairs and the provision of the necessary new material to replace worn parts. It is hoped, however, that in the near future the X-ray installations of all the hospitals will again be in satisfactory working order.

*Treatment of Prostitutes in Government Hospitals.*—The present system of admitting prostitutes suffering from venereal disease to general hospitals for treatment is not altogether satisfactory. In most of the hospitals these are treated in special sections, but in some they are accommodated in special wards in the general hospital and sometimes, owing to want of space, it is necessary to treat them in the wards provided for other women patients.

These women are lawless, undisciplined, and most difficult to manage, and when the hospitals are near the streets, their presence as inmates leads occasionally to a congregation of their friends outside who call to them over the walls and often attempt to pass in wines, spirits, unsuitable food, and money. Such a state of things is objectionable to the other patients and tends to relax the general discipline of the hospitals. It would be better if suitable accommodation for these women were provided in special hospitals and the space now occupied by them in the general hospitals used for more legitimate hospital cases.

*Qasr el Aini and Alexandria Hospitals.*—The detailed work of these two large Government hospitals will be found in the special reports which are appended.

*Ankylostoma and Bilharzia.*—In the month of July 1921 an Anthelmintic Annex in connection with the General Hospital was opened at Tanta.

Similar annexes have already been attached to the General Hospitals of Mansûra, Benha, and Qalyûb, and a special out-patients section for the treatment of patients suffering from these diseases exists at Qasr el Aini Hospital.

Besides such special treatment centres, ankylostoma and bilharzia patients are treated in all the general hospitals.

The number of patients treated in each annex and in each general hospital is shown in Tables XIII and XIV.

Owing to the prevalence of these diseases in Egypt, it is most desirable, should the necessary funds be forthcoming, that anthelmintic annexes should be added to all general hospitals.

The Provincial Council of Minufîya have established a travelling anthelmintic hospital at Shibîn el Kôm, and it is hoped that other Provincial Councils will follow their example.

While there is no doubt that these treatment contres are doing a considerable amount of good, still the results are not as satisfactory as one would wish, mainly due to the irregular attendance of patients, a considerable percentage failing to return for a full course of treatment.

Appended to the report of this Section will be found in Tables XV to XXII complete statistical details of the work carried out in the Government hospitals generally. Special statistical tables for Qasr el Aini and Alexandria will be found accompanying the previously mentioned special reports of these hospitals which have been appended to this Section.

TABLE XIII.—NUMBER OF PATIENTS EXAMINED AND TREATED AT THE ANKYLOSTOMA AND BILHARZIA ANNEXES FROM JANUARY 1 TO DECEMBER 31, 1921.

| Hospitals. | Ankylostoma Patients | | | | | | Bilharzia Patients. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Examind for Ova. | | | | Treatment given. | | Examination for living Ova. | | | | | | Treatment Number of Patients. | |
| | New Cases. | | Old Cases. | | | | New Cases. | | End of 4 weeks. | | After 3 Months. | | Total treated. | Average Number of treatment. |
| | Pos. | Neg. | Pos. | Neg. | New. | Old. | Pos. | Neg. | Pos. | Neg. | Pos. | Neg. | | |
| Mansûra ... | 1,647 | 398 | 5,329 | 838 | 1,995 | 5,995 | 3,866 | 213 | 336 | 847 | 16 | 73 | 26,622 | 6·8 |
| Tanta* ... | 1,360 | 413 | 41 | 103 | 1,695 | 1,443 | 5,000 | 204 | 217 | 286 | 22 | 28 | 32,929 | 6·6 |
| Benha ... | 4,808 | 1,217 | 468 | 702 | 6,085 | 6,307 | 5,008 | 852 | 167 | 358 | 30 | 27 | 31,039 | 6·2 |
| Qalyûb ... | 3,128 | 165 | 3,843 | 233 | 3,297 | 4,077 | 2,726 | 89 | 74 | 63 | 11 | — | 16,800 | 6·2 |
| Total ... | 10,943 | 2,193 | 9,681 | 1,876 | 13,062 | 17,922 | 16,600 | 1,358 | 794 | 1,554 | 79 | 128 | 107,390 | — |

* Tanta Hospital worked from July 1, 1921.

TABLE XIV.—ANKYLOSTOMA AND BILHARZIA CASES TREATED IN GENERAL HOSPITALS DURING 1921.

| HOSPITALS. | ANKYLOSTOMA CASES. | | BILHARZIA CASES. | |
|---|---|---|---|---|
| | Number of Patients. | | Number of Patients. | |
| | In-Patients. | Out-Patients. | In-Patients. | Out-Patients. |
| Qasr el 'Aini ... ... ... | — | 568 | — | 4,188 |
| Alexandria ... ... ... ... | 36 | — | 182 | 388 |
| Suez ... ... ... ... ... | 31 | — | 136 | 93 |
| Port Said ... ... ... ... | 25 | — | 80 | — |
| Damietta ... ... ... ... | 68 | 12 | 257 | 204 |
| Damanhûr ... ... ... ... | 37 | 2 | 102 | 3 |
| Mansûra ... ... ... ... | 33 | — | 175 | — |
| Tanta ... ... ... ... ... | — | — | 70 | 303 |
| Zagazig ... ... ... ... | 33 | 50 | 153 | 133 |
| Shibîn el Kom ... ... ... | 45 | 1,013 | 70 | 426 |
| Benha ... ... ... ... ... | 295 | — | 388 | — |
| Qalyûb ... ... ... ... | 5 | — | 5 | — |
| Beni Suef ... ... ... ... | 12 | 71 | 101 | 701 |
| Faiyûm ... ... ... ... | 87 | — | 319 | 731 |
| Minya ... ... ... ... ... | 26 | — | 36 | 65 |
| Asyût ... ... ... ... ... | 120 | — | 328 | 215 |
| Sohâg ... ... ... ... ... | 68 | — | 22 | — |
| Qena ... ... ... ... ... | 807 | — | 105 | — |
| Isna ... ... ... ... ... | 30 | — | 28 | — |
| Aswân... ... ... ... ... | 17 | — | 32 | 59 |
| TOTAL ... ... | 1,765 | 1,816 | 2,381 | 7,509 |

TABLE XV.—COMPARATIVE GENERAL STATISTICS.

| | 1920 | 1921 | Increase or Decrease. |
|---|---|---|---|
| Number of hospitals ... ... ... ... ... ... | 24 | 24 | — |
| „ beds ... ... ... ... ... ... ... | 4,091 | 4,021 | — 70 |
| „ in-patients treated ... ... ... ... | 62,493 | 60,312 | — 2,181 |
| Of which voluntary patients... ... ... ... ... | 34,074 | 31,522 | — 3,552 |
| Death-rate for in-patients ... ... ... per cent | 6·433 | 5·706 | — 0·727 |
| Number of days of treatment ... .. ... ... | 936,239 | 884,360 | — 51,879 |
| „ new out-patients ... ... ... ... ... | 274,557 | 285,983 | + 11,426 |
| „ out-patients' visits ... ... ... ... | 578,789 | 679,119 | + 90,330 |
| Major operations ... ... ... ... ... ... ... | 12,797 | 17,370 | + 4,573 |
| Cost of upkeep ... ... ... ... ... ... L.E. | 230,612·232 | 235,340·520 | + 4,728·288 |
| Receipts... ... ... ... ... ... ... ... „ | 15,938·012 | 13,580·661 | — 2,357·351 |

TABLE XVI.—COMPARATIVE DETAILED STATISTICS.

| YEAR. | Number of Beds. | Number of In-Patients. | Number of Days of Treatment. | Number of New Out-Patients. | Number of Out-Patients' Visits. | Total Cost of Maintenance. | | Cost per Bed per Annum. | | Cost per Patient per Day. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | L.E. | M. | L.E. | M. | M. |
| **1908** | 2,263 | 31,802 | 556,543 | — | — | — | | — | | — |
| **1909** | 2,491 | 34,221 | 598,539 | 144,509 | 353,409 | — | | — | | — |
| **1910** | 2,385 | 35,065 | 579,796 | 152,733 | 312,152 | — | | — | | — |
| **1911** | 2,385 | 37,018 | 621,350 | 173,401 | 385,062 | — | | — | | — |
| **1912** | 2,346 | 38,887 | 614,921 | 192,227 | 424,707 | 77,992 | 867 | 33 | 245 | 127 |
| **1913** | 2,409 | 42,794 | 627,813 | 207,882 | 417,845 | 83,698 | 539 | 34 | 744 | 133 |
| **1914** | 2,485 | 44,914 | 681,680 | 179,338 | 346,673 | 92,189 | 050 | 37 | 098 | 135 |
| **1915** | 3,320 | 50,483 | 858,878 | 152,329 | 340,774 | 114,843 | 117 | 34 | 591 | 134 |
| **1916** | 3,825 | 55,489 | 946,557 | 178,788 | 392,961 | 123,379 | 860 | 32 | 256 | 130 |
| **1917** | 3,872 | 56,289 | 871,228 | 209,909 | 471,742 | 114,591 | 683 | 29 | 595 | 131 |
| **1918** | 4,543 | 75,002 | 1,117,791 | 215,417 | 436,035 | 166,218 | 433 | 36 | 588 | 149 |
| **1919** | 4,592 | 64,704 | 1,021,498 | 219,573 | 402,996 | 183,141 | 974 | 39 | 883 | 179 |
| **1920** | 4,091 | 62,493 | 936,239 | 274,557 | 578,789 | 230,612 | 232 | 56 | 370 | 246 |
| **1921** | 4,021 | 57,901 | 884,360 | 285,983 | 679,119 | 235,340 | 520 | 58 | 527 | 266 |

## Table XVII.—Hospital Receipts during 1921.

| Hospitals. | In-Patients Fees. | | | | | | | | | | Out-Patients Fees. | | | | | Total Receipts |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | First Class. | Second Class. | | Special Class.* | Third Class. | | | | | Total | 40 Milliemes. | 20 Milliemes. | 10 Milliemes. | 5 Milliemes. | Total. | |
| | 400 Milliemes. | 300 Milliemes. | 200 * Milliemes. | | 40 Milliemes. | 30 Milliemes. | 20 Milliemes. | 10 Milliemes. | Other Rates. | | | | | | | |
| | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. | L.E. M. |
| 'Abbâsîya ... ... ... | * 325 600 | — | * 738 200 | — | — | — | — | — | — | 1,063 800 | — | — | — | — | — | 1,063 800 |
| Qasr el 'Aini ... ... | — | — | — | — | 689 240 | 5 250 | 72 320 | 26 500 | 67 703 | 861 013 | 80 820 | 367 700 | 409 140 | 23 988 | 881 648 | 1,742 661 |
| Alexandria ... ... | — | — | 228 600 | — | 152 931 | — | 57 749 | 13 370 | 10 005 | 462 655 | — | 926 480 | — | — | 926 480 | 1,389 135 |
| Suez ... ... ... ... | 391 200 | 297 900 | — | 83 950 | 47 760 | — | 13 180 | 0 390 | — | 834 380 | — | 0 720 | 80 330 | 0 165 | 81 215 | 915 595 |
| Hôd el Marsûd ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Asyût ... ... ... | 30 570 | — | 298 400 | 38 250 | 291 400 | 4 320 | 24 640 | 20 150 | — | 707 630 | — | — | 82 830 | — | 82 830 | 790 460 |
| Port Said ... ... ... | 422 800 | 632 200 | — | 1,295 385 | 199 720 | — | 29 013 | 6 210 | — | 2,585 328 | — | 206 560 | 90 260 | 0 005 | 296 825 | 2,882 153 |
| Mansûra ... ... ... | 12 400 | 180 600 | — | — | 124 680 | 0 030 | 8 000 | 9 780 | — | 335 490 | — | 113 140 | 23 740 | — | 136 880 | 472 370 |
| Zagazig ... ... ... | 3 600 | — | 100 400 | — | 236 800 | — | 6 420 | 7 251 | 20 200 | 374 671 | — | 22 940 | 95 400 | 0 045 | 118 385 | 493 056 |
| Tanta ... ... ... | 7 200 | — | 108 400 | — | 186 600 | — | 10 920 | 6 450 | 6 180 | 325 750 | — | 73 960 | 13 630 | 0 400 | 86 990 | 412 740 |
| Minya ... ... ... | 10 400 | — | 97 800 | — | 84 120 | — | 11 960 | 7 180 | — | 211 460 | — | 31 020 | 42 670 | 0 420 | 74 110 | 285 570 |
| Damanhûr ... ... | — | — | — | — | 170 840 | 0 840 | 4 050 | 1 810 | — | 177 540 | 0 840 | 61 320 | 32 980 | 0 010 | 95 150 | 272 690 |
| Beni Suef ... ... ... | 22 000 | — | 84 000 | — | 83 900 | 2 020 | 5 180 | 1 960 | 7 218 | 170 278 | — | 61 860 | 51 110 | 15 240 | 128 210 | 299 088 |
| Benha ... ... ... | — | — | 20 200 | — | 206 310 | — | 8 180 | 4 690 | 1 075 | 240 455 | — | 111 640 | 13 940 | 0 085 | 125 665 | 366 120 |
| Shibîn el Kôm ... | — | — | 36 600 | — | 257 320 | 1 050 | 7 080 | 3 170 | — | 305 220 | — | 38 460 | 86 670 | 0 945 | 126 075 | 431 295 |
| Sohâg ... ... ... | — | — | 58 600 | — | 127 440 | — | 2 180 | 2 310 | — | 190 540 | — | 20 420 | 1 420 | 0 005 | 21 865 | 211 495 |
| Faiyûm ... ... ... | — | — | 34 400 | — | 93 340 | 2 670 | 12 900 | 5 928 | 58 485 | 207 723 | — | 207 960 | 16 330 | — | 224 290 | 432 013 |
| Qena ... ... ... ... | — | — | 71 200 | — | 353 720 | — | 0 160 | 0 610 | — | 425 690 | — | — | 42 300 | 3 210 | 45 510 | 471 280 |
| Damietta ... ... ... | — | — | 10 800 | — | 83 050 | — | 1 720 | 0 080 | 5 530 | 101 180 | — | 5 220 | 142 060 | 1 520 | 148 800 | 249 980 |
| Qalyûb ... ... ... | — | — | 63 000 | — | — | — | — | — | — | 63 000 | — | — | — | — | — | 63 000 |
| Aswân ... ... ... | 17 800 | — | 42 400 | — | 85 520 | — | 4 500 | 0 910 | — | 151 130 | — | 29 600 | 1 300 | 0 200 | 31 100 | 182 430 |
| Port Said Infectious | 35 200 | — | 58 400 | — | — | — | — | — | 7 500 | 101 100 | — | — | — | — | — | 101 100 |
| Isna ... ... ... ... | — | — | — | — | 4 560 | 0 030 | 0 160 | 0 080 | 1 180 | 6 010 | — | 35 200 | 1 740 | 9 680 | 46 620 | 52 630 |
| Tanta Infectious ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total ... | 1,278 770 | 1,110 700 | 2,015 400 | 1,417 585 | 3,479 351 | 16 210 | 280 112 | 118 825 | 185 076 | 9,902 033 | 81 660 | 2,314 200 | 1,227 150 | 54 918 | 3,678 628 | 13,580 661 |

* These sums include full and half (children) rates.

## Table XVIII.—Patients and Cost, 1921.

| Hospitals. | Number of Beds. | Number of In-patients. | Number of Days of Treatment. | Number of New Out-patients. | Number of Out-Patients' Visits. | Number of Operations. | Cost of Upkeep. | | | | | | Cost per Bed per Annum. | | Cost per Patient per Day. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Rations, Equipment, etc, | | Salaries of Staff. | | Total. | | | | |
| | | | | | | | L.E. | M. | L.E. | M. | L.E. | M. | L.E. | M. | M. |
| Fever, 'Abbâsîya (Cairo) | 900 | 1,983 | 29,289 | — | — | — | 11,600 | 163 | 13,914 | 678 | 25,514 | 841 | 28 | 350 | 871 |
| Qasr el 'Aini (Cairo) | 550 | 12,174 | 207,631 | 106,622 | 291,405 | 5,106 | 37,153 | 367 | 13,692 | 529 | 50,845 | 896 | 92 | 447 | 245 |
| Alexandria | 352 | 8,260 | 109,236 | 39,354 | 133,054 | 4,536 | 19,453 | 997 | 10,215 | 680 | 29,669 | 677 | 84 | 289 | 271 |
| Suez | 314 | 2,483 | 24,802 | 7,178 | 9,991 | 267 | 7,625 | 863 | 5,246 | 838 | 12,872 | 701 | 40 | 996 | 519 |
| Hôd el Marsûd | 300 | 3,581 | 67,904 | 210 | 5,091 | — | 4,820 | 099 | 1,036 | 736 | 5,856 | 835 | 19 | 523 | 86 |
| Asyût | 185 | 2,967 | 15,411 | 9,487 | 12,412 | 908 | 2,937 | 000 | 2,919 | 835 | 5,856 | 835 | 31 | 658 | 380 |
| Port Said | 166 | 2,821 | 44,918 | 14,043 | 27,676 | 446 | 10,391 | 998 | 5,429 | 215 | 15,821 | 213 | 95 | 309 | 352 |
| Mansûra | 141 | 1,891 | 37,687 | 7,436 | 18,775 | 616 | 5,524 | 314 | 2,265 | 306 | 7,789 | 620 | 55 | 245 | 206 |
| Zagazig | 120 | 2,065 | 33,960 | 8,405 | 9,266 | 579 | 6,537 | 697 | 3,499 | 689 | 10,037 | 386 | 83 | 645 | 295 |
| Tanta | 113 | 2,044 | 36,485 | 8,365 | 22,840 | 753 | 5,168 | 320 | 2,601 | 897 | 7,770 | 217 | 68 | 763 | 213 |
| Minya | 102 | 1,664 | 28,780 | 5,948 | 14,695 | 340 | 2,932 | 015 | 2,716 | 052 | 5,648 | 067 | 55 | 373 | 196 |
| Damanhûr | 82 | 1,641 | 21,487 | 4,945 | 5,570 | 297 | 2,580 | 111 | 1,620 | 524 | 4,200 | 635 | 51 | 227 | 195 |
| Beni Suef | 82 | 1,359 | 23,895 | 6,830 | 9,308 | 516 | 3,025 | 148 | 2,820 | 846 | 5,845 | 994 | 71 | 292 | 244 |
| Benha | 75 | 1,317 | 25,187 | 6,364 | 11,637 | 186 | 3,550 | 220 | 2,297 | 892 | 5,848 | 112 | 77 | 975 | 232 |
| Shibîn el Kôm | 74 | 1,907 | 25,044 | 7,948 | 11,584 | 303 | 3,484 | 744 | 1,520 | 200 | 5,004 | 944 | 67 | 634 | 200 |
| Sohâg | 73 | 1,649 | 33,435 | 5,961 | 13,829 | 249 | 3,617 | 639 | 2,302 | 057 | 5,919 | 696 | 81 | 091 | 177 |
| Faiyûm | 72 | 1,255 | 22,838 | 8,028 | 17,994 | 373 | 3,274 | 686 | 2,084 | 743 | 5,359 | 429 | 74 | 437 | 235 |
| Qena | 70 | 2,505 | 36,451 | 7,092 | 11,269 | 677 | 3,146 | 506 | 3,327 | 566 | 6,474 | 072 | 92 | 486 | 177 |
| Damietta | 58 | 1,126 | 17,792 | 10,051 | 20,710 | 237 | 2,889 | 893 | 2,064 | 363 | 4,954 | 256 | 85 | 418 | 278 |
| Qalyûb | 54 | 1,247 | 15,283 | 12,916 | 22,497 | 580 | 2,068 | 038 | 1,470 | 701 | 3,538 | 739 | 65 | 532 | 232 |
| Aswân | 45 | 727 | 11,717 | 5,934 | 4,752 | 229 | 2,402 | 948 | 1,729 | 240 | 4,132 | 188 | 91 | 826 | 352 |
| Port Said Infectious | 34 | 284 | 2,850 | — | — | — | 1,079 | 351 | 1,074 | 373 | 2,153 | 724 | 63 | 344 | 755 |
| Isna | 31 | 590 | 8,468 | 3,866 | 4,764 | 172 | 1,593 | 698 | 907 | 538 | 2,501 | 236 | 80 | 685 | 295 |
| Tanta Infectious | 28 | 361 | 3,810 | — | — | — | 842 | 875 | 881 | 332 | 1,724 | 207 | 61 | 579 | 452 |
| Total | 4,021 | 57,901 | 884,360 | 285,983 | 679,119 | 17,370 | 147,700 | 690 | 87,639 | 830 | 235,340 | 520 | 58 | 527 | 266 |

TABLE XIX.—

| SECTIONS. | Fever ʿAbbâsîya. | Qasr el ʿAini. | Alexandria. | Suez. | Hôd el Marsûd. | Asyût. | Port Said. | Mansûra. | Zagazig. |
|---|---|---|---|---|---|---|---|---|---|
| *Medical :—* | | | | | | | | | |
| Alimentary :— | | | | | | | | | |
| Diseases of stomach | — | 48 | 74 | 12 | — | 25 | — | 9 | 6 |
| Tuber. peritonitis | — | 41 | 19 | 3 | — | — | 10 | 1 | 2 |
| Dysentery | — | 106 | 166 | 93 | — | 27 | 50 | 6 | 16 |
| Diarrhœa and enteritis | — | 52 | 107 | 36 | — | 29 | 132 | 30 | 30 |
| Liver | — | 34 | 24 | 5 | — | 3 | 15 | 28 | 6 |
| Other diseases | — | 99 | 86 | 14 | — | 5 | 38 | 3 | 6 |
| Respiratory ;— | | | | | | | | | |
| Pneumonia | 26 | 73 | 72 | 25 | — | 19 | 30 | 4 | 20 |
| Phthisis | — | 229 | 159 | 19 | — | 2 | 79 | 6 | 7 |
| Pleurisy | — | 28 | 35 | 15 | — | 3 | 15 | 1 | 4 |
| Other diseases | — | 246 | 253 | 34 | — | 2 | 122 | 33 | 135 |
| Circulatory :— | | | | | | | | | |
| Heart | — | 243 | 85 | 28 | — | 2 | 37 | — | 10 |
| Other diseases | — | 13 | 45 | 3 | — | — | 2 | 4 | — |
| Urinary :— | | | | | | | | | |
| Nephritis | — | 103 | 60 | 42 | — | 26 | 33 | 13 | 5 |
| Other diseases | — | 68 | 139 | 6 | — | 2 | 23 | 25 | 57 |
| Blood :— | | | | | | | | | |
| Spleen | — | 175 | 62 | 4 | — | 2 | 5 | — | 17 |
| Other diseases | — | 82 | 47 | 3 | — | — | 46 | — | 5 |
| Nervous :— | | | | | | | | | |
| Brain | — | 187 | 9 | 4 | — | — | 21 | — | 1 |
| Spinal cord | — | 68 | 5 | — | — | — | — | — | 1 |
| Other diseases | — | 42 | 95 | 3 | — | — | 33 | 8 | 10 |
| Constitutional :— | | | | | | | | | |
| Rheumatism | — | 40 | 118 | 45 | — | 24 | 46 | 17 | 18 |
| Diabetes | — | 28 | 31 | 1 | — | 10 | 8 | 2 | — |
| Senility | — | — | 47 | 7 | — | 2 | 31 | 7 | 3 |
| Debility | — | 96 | 61 | 31 | — | 6 | 57 | 15 | 19 |
| Parasitic :— | | | | | | | | | |
| Malaria | 67 | 27 | 99 | 202 | — | 3 | 17 | 2 | 23 |
| Ankylostomiasis | — | 166 | 35 | 11 | — | 126 | 43 | 39 | 42 |
| Filaria | — | — | 47 | — | — | — | — | — | — |
| Pellagra | — | 119 | 1 | 11 | — | 13 | 11 | 47 | 22 |
| Poisoning :— | | | | | | | | | |
| Alcohol | — | 148 | 125 | 7 | — | 3 | 12 | — | 13 |
| Other poisons | — | 151 | 36 | 3 | — | 4 | 22 | 7 | 17 |
| Lunatics | — | 115 | 167 | 17 | — | 12 | 48 | 41 | 18 |
| Other medical diseases | 1,935 | 642 | 91 | 647 | — | 231 | 311 | 371 | 107 |
| *Surgical :—* | | | | | | | | | |
| Fractures :— | | | | | | | | | |
| Simple | — | — | 217 | 44 | — | 73 | 78 | 35 | 62 |
| Compound | — | 830 | 80 | 13 | — | 60 | 9 | 21 | 30 |
| Tumours :— | | | | | | | | | |
| Malignant | — | — | 39 | 5 | — | 26 | 2 | 1 | 4 |
| Non-malignant | — | 200 | 36 | 2 | — | — | 20 | 4 | 10 |
| Traumatic injuries | — | — | 785 | 43 | — | 588 | 182 | 244 | 339 |
| Burns | — | 206 | 157 | 52 | — | 40 | 45 | 15 | 30 |
| Bilharziasis | — | 52 | 193 | 28 | — | 254 | 93 | 187 | 163 |
| Fistula in ano | — | 28 | 120 | 10 | — | 35 | 40 | 33 | 49 |
| Liver abscess | — | 8 | 16 | — | — | 3 | 14 | 1 | — |
| Hernia | — | 314 | 288 | 47 | — | 124 | 102 | 47 | 68 |
| Hæmorrhoids | — | 125 | 256 | 18 | — | 63 | 62 | 37 | 36 |
| Appendicitis | — | 26 | 27 | 10 | — | — | 12 | 1 | 1 |
| Vesical calculus | — | 65 | 29 | 11 | — | 12 | 12 | 21 | 27 |
| Other surgical diseases | — | 2,798 | 1,114 | 378 | — | 524 | 384 | 349 | 289 |
| *Ophthalmic* | — | 1,381 | 459 | 59 | — | — | 68 | 11 | 6 |
| *Skin Diseases* | — | 318 | 407 | 39 | 253 | 29 | 64 | 18 | 82 |
| *Venereal :—* | | | | | | | | | |
| Syphilis | — | 344 | 231 | 75 | 934 | 249 | 139 | 190 | 127 |
| Gonorrhœa | — | 62 | 78 | 297 | 2,575 | 264 | 195 | 116 | 133 |
| Soft Sores | — | 9 | 54 | — | — | — | — | — | — |
| *Midwifery* | — | 366 | 54 | 6 | — | 15 | 20 | 18 | 13 |
| *Gynæcological diseases* | — | 305 | 194 | 28 | — | 31 | 61 | 8 | 44 |
| *Foundlings* | — | — | 32 | — | — | — | — | — | — |
| *Relatives accompanying patients* | — | *1,261 | 215 | 64 | — | 23 | 54 | 13 | 7 |
| *Fevers* | — | — | 877 | — | — | — | — | — | — |
| *Nothing* | — | — | 186 | — | — | — | — | — | — |
| TOTAL | 2,028 | 12,717 | 8,548 | 2,560 | 3,762 | 3,092 | 2,941 | 1,899 | 2,140 |

* Antirabic.

YEARLY RETURN OF SICK, 1921.

| Tanta. | Minya. | Damanhûr. | Beni Suef. | Benha | Shibîn el Kôm | Faiyûm. | Qena. | Damietta. | Sohâg. | Qalyûb. | Aswân. | Port Said Infectious. | Isna. | Tanta Infectious. | TOTAL. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | — | 1 | 7 | 2 | 28 | 21 | 36 | 28 | 32 | 19 | 11 | — | 7 | — | 377 |
| 2 | 2 | — | 2 | — | — | 1 | 1 | 3 | 2 | — | 2 | — | — | — | 91 |
| 8 | 10 | 49 | 5 | — | 14 | 20 | 53 | 8 | 56 | 16 | 29 | 1 | 5 | — | 738 |
| 29 | 29 | 49 | 10 | 4 | 25 | 5 | 11 | — | 13 | 7 | 8 | — | 9 | — | 615 |
| 5 | 2 | 5 | 6 | — | 2 | — | 1 | 1 | 15 | 12 | — | — | 4 | — | 168 |
| 4 | 46 | — | 6 | — | — | 7 | 10 | — | 4 | 2 | 57 | — | — | — | 367 |
| 4 | 4 | 12 | 3 | 2 | 14 | 8 | 2 | 4 | 1 | 4 | 4 | 5 | 23 | — | 359 |
| 2 | 5 | 4 | 3 | 4 | 4 | 7 | 10 | 6 | 4 | 6 | 26 | 1 | 9 | — | 592 |
| 1 | — | 4 | — | — | 2 | 1 | 2 | 5 | 2 | — | 12 | — | — | — | 130 |
| 28 | 14 | 18 | 16 | 2 | 47 | 22 | 46 | 28 | 29 | 41 | 58 | — | 2 | — | 1,176 |
| 13 | 2 | 6 | 2 | — | 1 | 30 | 1 | 14 | 8 | 15 | 6 | — | 5 | — | 508 |
| — | 6 | — | 4 | — | 2 | 13 | 8 | — | — | 1 | 1 | — | 3 | — | 105 |
| 29 | 17 | 16 | 15 | 11 | 13 | 5 | 7 | 17 | 11 | 21 | 2 | — | 5 | — | 451 |
| 11 | 10 | 3 | 12 | — | 15 | 8 | 19 | — | 7 | — | 8 | — | — | — | 413 |
| 11 | — | 22 | 3 | — | 9 | 10 | — | — | 1 | 5 | 3 | — | — | — | 329 |
| 1 | — | — | 5 | — | 12 | 18 | — | 23 | 64 | 26 | 3 | — | 2 | — | 337 |
| 1 | 1 | — | — | — | — | — | — | — | — | 3 | 3 | — | — | — | 230 |
| 8 | — | — | 1 | — | — | — | — | — | — | 2 | — | — | — | — | 85 |
| 8 | 5 | 7 | 9 | 4 | — | 9 | 15 | 7 | 9 | 1 | 4 | — | 2 | — | 271 |
| 9 | 17 | 4 | 3 | 11 | 12 | 4 | 19 | 7 | 18 | 10 | 13 | — | 5 | — | 440 |
| — | 4 | 1 | — | — | 2 | 1 | 14 | 1 | 9 | — | 3 | — | 2 | — | 117 |
| 5 | 1 | — | — | 1 | — | 3 | 15 | 2 | 7 | — | 3 | — | 1 | — | 135 |
| 20 | 7 | 20 | 10 | 8 | 6 | 17 | 34 | 19 | 25 | 47 | 12 | — | 6 | — | 518 |
| 3 | 1 | 1 | 6 | 5 | 2 | 18 | 20 | 74 | 4 | 17 | 14 | — | — | 2 | 597 |
| 5 | 32 | 5 | 21 | 52 | 34 | 90 | 929 | 23 | 65 | 5 | 29 | — | 32 | — | 1,724 |
| — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | 48 |
| 18 | 4 | 33 | 11 | 6 | 3 | 12 | 4 | 30 | 7 | 6 | 10 | — | — | — | 368 |
| 15 | 10 | — | 8 | — | 8 | 1 | — | — | — | — | 8 | — | 3 | — | 361 |
| 9 | 8 | 15 | 12 | 4 | 17 | 4 | 7 | — | 9 | — | 2 | — | — | — | 327 |
| 24 | 22 | 23 | 16 | 7 | 4 | 9 | 15 | — | 16 | — | 7 | — | — | — | 561 |
| 68 | 154 | 229 | 85 | 262 | 229 | 123 | 65 | 66 | 64 | 17 | 46 | 283 | 69 | 364 | 6,559 |
| 74 | 74 | 35 | 8 | 24 | 68 | 22 | 51 | 9 | 68 | 7 | 56 | — | 1 | — | 1,006 |
| 62 | 43 | 36 | 15 | 14 | 18 | 35 | 45 | 13 | 34 | 18 | 18 | — | — | — | 1,394 |
| 11 | 8 | 1 | 3 | 1 | 3 | 1 | 13 | 6 | 21 | 20 | 8 | — | — | — | 173 |
| 5 | 4 | 1 | 6 | 1 | 1 | 1 | 18 | 1 | 5 | 10 | 30 | — | 7 | — | 362 |
| 480 | 336 | 307 | 225 | 393 | 520 | 135 | 213 | 72 | 324 | 159 | 171 | — | 39 | — | 5,555 |
| 33 | 31 | 15 | 14 | 25 | 26 | 14 | 13 | 7 | 12 | 3 | 10 | — | 1 | — | 749 |
| 70 | 53 | 146 | 133 | 96 | 83 | 181 | 133 | 242 | 22 | 5 | 57 | — | 28 | — | 2,219 |
| 30 | 16 | 22 | 33 | 12 | 30 | 17 | 10 | 18 | 18 | 20 | 16 | — | — | — | 557 |
| 2 | 2 | 1 | — | — | 1 | — | 2 | — | — | — | — | — | — | — | 50 |
| 73 | 53 | 30 | 115 | 20 | 52 | 55 | 48 | 26 | 44 | 66 | 26 | — | 12 | — | 1,610 |
| 44 | 23 | 30 | 21 | 27 | 26 | 12 | 26 | 13 | 9 | 24 | 17 | — | — | — | 869 |
| 2 | — | — | — | — | 2 | 2 | — | — | 2 | 9 | — | — | — | — | 94 |
| 20 | 22 | 30 | 25 | — | 24 | 24 | 17 | 13 | 7 | 18 | 5 | — | 1 | — | 383 |
| 482 | 250 | 271 | 290 | 267 | 431 | 204 | 222 | 236 | 275 | 489 | 212 | — | 131 | — | 9,596 |
| — | — | — | — | — | 1 | — | 35 | 27 | — | — | 9 | — | 171 | — | 2,227 |
| 43 | 19 | 15 | 21 | 31 | 45 | 27 | 49 | 14 | 16 | 8 | 16 | — | 5 | — | 1,519 |
| 161 | 120 | 102 | 102 | 39 | 54 | 68 | 165 | 57 | 126 | 90 | 72 | — | 32 | — | 3,477 |
| 114 | 243 | 73 | 73 | 37 | 11 | 42 | 164 | 11 | 205 | 1 | 55 | — | 76 | — | 4,725 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 17 | 15 | 6 | 4 | 3 | 20 | 2 | 3 | 5 | 3 | 8 | 1 | — | — | — | 579 |
| 24 | 5 | 22 | 2 | 5 | 26 | — | 1 | 15 | 20 | 38 | 10 | — | 1 | — | 840 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 27 | 22 | 25 | 50 | 11 | 29 | 11 | 20 | 19 | 20 | 5 | 10 | — | — | — | 1,886 |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2,126 | 1,747 | 1,695 | 1,429 | 1,391 | 1,876 | 1 320 | 2,593 | 1,170 | 1,713 | 1,281 | 1,153 | 290 | 608 | 366 | 60,445 |

## Table XX.—Admissions and Discharges, 1921.

| Hospitals. | Admitted. | | Total. | Discharged. | | | Remaining |
|---|---|---|---|---|---|---|---|
| | Existing | Admitted. | | Cured. | Died. | Improved. | |
| Fever, 'Abbâsîya (Cairo) ... | 45 | 1,983 | 2,028 | 1,732 | 159 | 65 | 72 |
| Qasr el 'Aini (Cairo) ... | 602 | 12,174 | 12,776 | 5,415 | 1,130 | 4,486 | 529 |
| Alexandria ... ... ... ... | 288 | 8,260 | 8,548 | 3,751 | 694 | 3,806 | 297 |
| Suez... ..... ... ... ... | 77 | 2,483 | 2,560 | 1,937 | 141 | 384 | 98 |
| Hôd el Marsûd... ... ... | 181 | 3,581 | 3,762 | 18 | — | 3,744 | 90 |
| Asyût ... ... ... ... ... | 125 | 2,967 | 3,092 | 2,320 | 111 | 523 | 138 |
| Port Said ... ... ... ... | 120 | 2,821 | 2,941 | 1,567 | 132 | 1,073 | 105 |
| Mansûra ... ... ... ... | 108 | 1,891 | 1,999 | 1,012 | 123 | 777 | 87 |
| Zagazig ... ... ... ... | 75 | 2,065 | 2,140 | 1,306 | 94 | 627 | 84 |
| Tanta ... ... ... ... ... | 82 | 2,044 | 2,126 | 1,852 | 107 | 68 | 99 |
| Minya ... ... ... ... ... | 83 | 1,664 | 1,747 | 1,218 | 91 | 386 | 52 |
| Damanhûr ... ... ... ... | 54 | 1,641 | 1,695 | 1,179 | 94 | 349 | 73 |
| Beni Suef ... ... ... ... | 64 | 1,359 | 1,423 | 869 | 86 | 407 | 61 |
| Benha ... ... ... ... ... | 74 | 1,317 | 1,391 | 861 | 51 | 421 | 58 |
| Shibîn el Kôm ... ... ... | 69 | 1,907 | 1,976 | 1,552 | 78 | 265 | 81 |
| Faiyûm ... ... ... ... | 65 | 1,255 | 1,320 | 676 | 63 | 524 | 57 |
| Qena ... ... ... ... ... | 88 | 2,505 | 2,593 | 2,257 | 40 | 164 | 81 |
| Damietta ... ... ... ... | 44 | 1,126 | 1,170 | 749 | 36 | 342 | 43 |
| Sohâg ... ... ... ... ... | 65 | 1,649 | 1,714 | 1,278 | 93 | 297 | 45 |
| Qalyûb ... ... ... ... | 34 | 1,247 | 1,281 | 260 | 41 | 944 | 36 |
| Aswân... ... ... ... ... | 39 | 727 | 766 | 466 | 16 | 223 | 26 |
| Port Said Infectious ... | 6 | 284 | 290 | 259 | 25 | — | 6 |
| Isna ... ... ... ... ... | 18 | 590 | 608 | 392 | 10 | 195 | 11 |
| Tanta Infectious ... ... | 5 | 361 | 366 | 339 | 27 | — | 4 |
| Total ... ... | 2,411 | 57,901 | 60,312 | 33,265 | 3,442 | 20,070 | 2,233 |

## Table XXI.—In-patients (Voluntary, Police, and Military Cases), 1921.

| Hospitals. | Voluntary Cases. | Police Cases. | Military Cases. | Total Number of Cases. | Total Number of Days of Treatment. |
|---|---|---|---|---|---|
| Fever, 'Abbâsîya (Cairo) ... ... | 1,676 | 228 | 79 | 1,983 | 29,289 |
| Qasr el 'Aini (Cairo) ... ... | 7,127 | 5,021 | 26 | 12,174 | 207,631 |
| Alexandria ... ... ... ... ... | 3,803 | 4,457 | — | 8,260 | 109,236 |
| Suez ... ... ... ... ... ... | 2,143 | 337 | 3 | 2,483 | 24,802 |
| Hôd el Marsûd... ... ... ... | — | 3,581 | — | 3,581 | 67,904 |
| Asyût ... ... ... ... ... ... | 1,598 | 1,369 | — | 2,967 | 15,411 |
| Part Said ... ... ... ... ... | 2,013 | 735 | 73 | 2,821 | 44,918 |
| Mansûra ... ... ... ... ... | 964 | 927 | — | 1,891 | 37,687 |
| Zagazig ... ... ... ... ... | 887 | 1,144 | 34 | 2,065 | 33,960 |
| Tanta ... ... ... ... ... ... | 833 | 1,211 | — | 2,044 | 36,485 |
| Minya ... ... ... ... ... ... | 627 | 1,037 | — | 1,664 | 28,780 |
| Damanhûr ... ... ... ... | 1,253 | 388 | — | 1,641 | 21,487 |
| Beni Suef ... ... ... ... ... | 792 | 562 | 5 | 1,359 | 23,895 |
| Benha ... ... ... ... ... ... | 462 | 853 | 2 | 1,317 | 25,187 |
| Shibîn el Kôm ... ... ... ... | 697 | 1,210 | — | 1,907 | 25,044 |
| Faiyûm ... ... ... ... ... | 680 | 550 | 25 | 1,255 | 22,838 |
| Qena ... ... ... ... ... ... | 1,793 | 707 | 5 | 2,505 | 36,451 |
| Damietta ... ... ... ... ... | 949 | 177 | — | 1,126 | 17,792 |
| Sohâg ... ... ... ... ... ... | 780 | 862 | 7 | 1,649 | 33,435 |
| Qalyûb ... ... ... ... ... | 981 | 266 | — | 1,247 | 15,283 |
| Aswân... ... ... ... ... ... | 400 | 298 | 29 | 727 | 11,707 |
| Port Said Infectious ... ... | 271 | 10 | 3 | 284 | 2,850 |
| Isna ... ... ... ... ... ... | 449 | 141 | — | 590 | 8,468 |
| Tanta Infectious ... ... ... | 344 | 17 | — | 361 | 3,810 |
| Total ... ... | 31,522 | 26,088 | 291 | 57,901 | 864,750 |

TABLE XXII.—OUT-PATIENTS' DIVISION, 1921.

| HOSPITALS. | Number of Patients. | Number of Attendances. | HOSPITALS. | Number of Patients. | Number of Attendances. |
|---|---|---|---|---|---|
| | | | *Brought forward* ... | 211,993 | 550,775 |
| Fever, ʿAbbâsiya ... | — | — | Beni Suef ... ... ... | 6,830 | 9,308 |
| Qasr el ʿAini ... ... | 106,622 | 291,405 | Benha ... ... ... ... | 6,364 | 11,637 |
| Alexandria ... ... ... | 39,354 | 133,054 | Shibîn el Kôm ... ... | 7,948 | 11,584 |
| Suez ... ... ... ... | 7,178 | 9,991 | Faiyûm ... ... ... | 8,028 | 17,994 |
| Hôd el Marsûd ... ... | 210 | 5,091 | Qena ... ... ... ... | 7,092 | 11,269 |
| Asyût ... ... ... ... | 9,487 | 12,412 | Damietta ... ... ... | 10,051 | 20,710 |
| Port Said ... ... ... | 14,043 | 27,676 | Sohâg ... ... ... ... | 5,961 | 13,829 |
| Mansûra ... ... ... | 7,436 | 18,775 | Qalyûb... ... ... ... | 12,916 | 22,497 |
| Zagazig ... ... ... | 8,405 | 9,266 | Aswân ... ... ... ... | 5,934 | 4,752 |
| Tanta ... ... ... ... | 8,365 | 22,840 | Port Said Infectious ... | — | — |
| Minya ... ... ... ... | 5,948 | 14,695 | Isna ... ... ... ... | 2,866 | 4,764 |
| Damanhûr ... ... ... | 4,945 | 5,570 | Tanta Infectious... ... | — | — |
| *Carried forward...* | 211,993 | 550,775 | TOTAL ... | 285,983 | 679,119 |

## REPORT ON THE WORK OF QASR EL ʿAINI HOSPITAL.

The number of in-patients admitted during the year was 12,174. The following table shows the continuous increase in the number of in-patients admitted in the Hospital during the last five years :—

| YEAR. | Number of In-patients. |
|---|---|
| **1917** ... ... ... | 9,615 |
| **1918** ... ... ... | 10,708 |
| **1919** ... ... ... | 11,531 |
| **1920** ... ... ... | 11,784 |
| **1921** ... ... ... | 12,174 |

In 1906 the number of in-patients was 6,691 ; in 1921 it was 12,174. The number of in-patients has therefore nearly been doubled during a period of sixteen years.

The death-rate of in-patients was 9·13 per cent, as against 9·35 per cent in 1920—almost the same figure.

5,039 operations were performed, as against 3,736 in 1920.

106,622 persons attended the Out-patients Departments, the number of attendances being 291,405. In 1920 the out-patients numbered 119,499, the attendances being 282,970. In 1911, 52,199 patients attended the Out-patients Department.

*The Bilharziasis and Ankylostomiasis Section.*—4,188 patients attended the Section. Of these 3,620 were cases of bilharziasis, and 568 cases of ankylostomiasis. In 1920, 1,768 patients attended the Section. Of these 1,634 were cases of bilharziasis and 134 cases of ankylostomiasis. It is impossible to exaggerate the benefit which patients suffering from bilharziasis get from the discovery of the specific treatment of this disease by tartar emetic. The wide recognition and appreciation of the value of this treatment is shown by the fact that the number of cases of bilharziasis who attended the Section in 1921 was more than double that in 1920.

*Endemic Splenomegaly and Cirrhosis.*—The aetiology of this disease which is common in Egypt remains quite obscure. 186 patients suffering from it were admitted during the year. Splenectomy, in suitable cases, still holds the only prospect of arresting the progress of the disease. Eighteen splenectomies for this disease were performed during the last year. Of these four cases died while in hospital.

*Pellagra.*—As the result of the work done during the last few years by various workers, amongst whom was Professor Wilson of our School of Medicine,* it has become very probable that the cause of this disease is a dietetic deficiency, the latter being in these proteins of " high biological value." Pellagra is accordingly put down under the heading of deficiency diseases.

*Lethargic Encephalitis.*—This disease, first recognized in 1917, has made its appearance in Egypt. The first cases admitted in the hospital were only in 1921, three in all, of whom two died. One of the latter showed the characteristic histological appearances described by Marinesco, the authority on the pathology of the disease.

*Diabetes Mellitus.*—Allen's treatment of *Diabetes Mellitus* by starvation and graduated feeding, now extensively used as a routine treatment of this disease, has been tried in the hospital. Its success depends a great deal upon the faithful co-operation of the patient, and where that is forthcoming, the result is as a rule very satisfactory. It is undoubtedly a definite improvement in the treatment of this as yet incurable disease.

*Blood Transfusion.*—This has been performed twenty-one times: three times for acute primary hæmorrhage in accident and after operations, seven times for secondary hæmorrhage after accident or post-operative, and eleven times for secondary anæmias following ankylostomiasis and bilharziasis especially. It has been notably successful in raising the hæmoglobin index in these grave anæmias and, particularly, in order to prepare such cases for subsequent operation, *e.g.* splenectomy. The method used was the transference of the blood of the donor to the recipient by means of a Kimpton's tube. Compatibility of the recipient's blood with that of the donor was tested in each case beforehand.

*Bone Grafting* has been performed eleven times, once for ununited fracture of radius and ulna, once each for ununited fracture of humerus and ulna, and eight times for ununited and spiral fracture of tibia. Autogenous grafts from tibia or crest of ilium have been used. Results were satisfactory in seven cases in producing union and stimulation of formation of a great quantity of callus. Four cases have been lost sight of.

Bone grafts in suitable cases promise to replace metal plates in bone surgery.

### *Qasr el 'Aini Hospital Anthelmintic Section.*

During the year 1921 the work of the section has more than doubled. In all, 4,188 new patients were sent to the section as compared with 1,768 in 1920, the first of its existence. About ten per cent of the patients were females. The services of a *Temargia* are now available and greater privacy is secured.

*Bilharzia Division.*—3,620 patients.

Bladder disease accounted for over 95 per cent of these patients; only about four per cent suffered from pure Bilharzia Mansoni. Of the total number of patients received, over 20 per cent took no injection. A single negative result on examination of the dejecta is unreliable so long as blood or pus cells are found. Considerable variations in the appearance of the urine and number of ova present occur in most cases at different times. Also a urine showing much blood may contain but few ova, while a clear specimen may show some hundreds in a slight mucoid deposit. Of the first thousand cases treated by injections in 1921 :—

| | | | |
|---|---|---|---|
| 289 | (28·9 | per cent) | took less than five injections. |
| 274 | (27·4 | ,, ) | ,, between five and nine injections. |
| 343 | (34·3 | ,, ) | ,, between ten and fourteen injections. |
| 94 | ( 9·4 | ,, ) | ,, fifteen or more injections. |

Thus over 40 per cent received ten or more injections, corresponding to a minimum of eighteen and a half grains of tartar emetic for an adult's course. This method of reckoning

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* Professor Wilson's work was published in the Journal of Hygiene of July 15, 1921.

by the number of injections or doses administered, rather than by the total amount of the drug given, is adopted since it is irrespective of the age and size of the patient. Otherwise a child of eight years who had received fifteen injections might appear in statistical returns to have had insufficient antimony.

The success of the treatment depends very largely on the regular attendance of the patients. An intensive course of daily injections has been found unsuitable for out-patients, but every effort should be made to give injections on alternate days, that is three times a week. The usual maximum dose is two grains, and this should not be exceeded unless the patient exhibits unusual tolerance. The regular course consists of twelve injections.

An analysis of the results shows that both the rapidity of effect and a permanent cure are less dependant on the total amount of antimony given than on a regular tri-weekly sequence of injections ; which secures an adequate saturation of the system with the drug.

Example : Case 1162.

| Weeks ... ... ... ... ... ... ... | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|---|
| Number of injections ... ... ... ... | 3 | 1 | 1 | 2 | 0 | 3 | 1 | 1 | 0 | 3 |

Total dose 28½ grains.

At the finish three dead ova were found in the specimen taken.

Five weeks later three living and twenty-five dead ova were found.

Fifteen weeks later (*i.e.* twenty weeks from the end of treatment) 200 living ova were found in the specimen passed.

Experiments in vitro show that individual ova vary much in their sensitiveness to the drug and the parent worms probably differ in the same way. Doses at infrequent intervals may possibly render the parasites resistant. Hence in the interest of the patients it is necessary to insist on regular attendance. An excellent rule adopted at Qalyûb is to keep defaulters waiting until all the patients who have attended regularly have received their injection.

Exceptional cases are sometimes encountered in which the usual course of injections fails to kill all the ova, and more treatment is required. To discover such cases before the patient is dismissed, it is best to examine the urine as a matter of routine when the eleventh injection is given, instead of at the end of the usual course (twelfth injection).

*Drugs used.*—During the course of the year sodium antimony tartrate was substituted for the ordinary potassium compound (tartar emetic). It is hoped that statistics will soon be available by which the relative efficiency of the two compounds may be judged. On the evidence at hand there does not appear to be much difference. Emetine was used for some cases in children. When small doses are employed on account of intolerance or the youth of the patient the urine should be examined after a fortnight's treatment to make sure that the drug is having a definite effect.

One great disadvantage in the use of antimony is the very severe inflammation excited by the escape of even a minimal quantity of solution into the subcutaneous tissues around the vein. Should a definite swelling associated with burning pain appear in the arm immediately after an injection has been made, it is best to inject some two per cent novocaine solution into the swelling and incise carefully as soon as the anaesthetic has acted. A small leakage of the vein, due to puncture of both walls during an injection, may cause an acute inflammation to be evident next day. In such cases the swelling will usually subside with repeated poulticing and requires incision.

A great many experiments were carried out in the hope of finding a substitute for antimony. Of the metals, copper gave satisfactory results in vitro, but the great affinity of this metal for hæmoglobin robbed it of parasiticidal action in the presence of blood. Professor Gibson kindly prepared some organic and other compounds which showed less affinity for hæmoglobin, but, though used in fairly large doses on patients (after testing on animals), only a very moderate effect was produced on the ova.

The antiseptic fluid "Yadil" (trimethenal allylic carbide) had a distinct effect on the ova after one dose only, but this effect was off on succeeding days although the dose was pushed up to 10 c.cm. intravenously. Flavine dyes had little if any effect. For septic

infections of the urinary tract, which complicate so many cases of old-standing bilharziasis, various remedies were tried. Urotropine has a certain value when the urine is acid. For foul alkaline urine, the administration of acriflavine or proflavine had a decided beneficial effect (dose 0·05 to 0·10 t.d.s.) but the condition quickly relapsed on discontinuing the drug.

In addition to the bilharzia cases a few patients suffering from other diseases were sent to the section to receive a course of antimony injections. These included a case of leprosy, one of Oriental sore (Leishmaniasis) and two cases of chyluria (Filariasis).

The treatment of diseases other than those due to worm infection was found inconvenient to carry out at the Section and involves some risk of infecting other patients : the practice was discontinued.

### *Ankylostoma Division.*

568 patients were sent to the Section during the past year with a provisional diagnosis of ankylostomiasis. The examination of the stools obtained (554 cases) gave the following result :—

| | |
|---|---|
| Ankylostoma infection (pure or mixed) ... ... ... ... ... | 330 |
| Ascaris only ... ... ... ... ... ... ... ... ... ... ... ... | 8 |
| Tape worm only ... ... ... ... ... ... ... ... ... ... ... | 2 |
| Oxyuris only... ... ... ... ... ... ... ... ... ... ... ... | 4 |
| Heterophyes ... ... ... ... ... ... ... ... ... ... ... ... | 1 |
| Chronic Dysentery :— | |
| Bilharzial ... ... ... ... ... ... ... ... ... ... ... | 28 |
| Amoebic ... ... ... ... ... ... ... ... ... ... ... | 15 |
| Bacillary, etc. ... ... ... ... ... ... ... ... ... ... | 14 |
| Negative cases ... ... ... ... ... ... ... ... ... ... ... | 152 |

It must be remembered that in Cairo marked cases of ankylostomiasis are uncommon. They usually come from some distance and so have to be admitted to the wards. But both at Qasr el Aini and at provincial sections it has been found that ankylostoma patienss are most unsatisfatory in their attendance ; either the treatment does not appeal to them or they are overcome by the apathy begotten of their disease. Thus about 23 per cent of the patients whose stools had been examined failed to return for treatment. And of those who returned a large proportion were satisfied with only one treatment, as shown below :—

| | | |
|---|---|---|
| Took one treatment ... ... ... ... ... ... | 138 | patients. |
| ,, two treatments... ... ... ... ... ... | 39 | ,, |
| ,, three or more ... ... ... ... ... ... | 36 | ,, |

But whereas a single dose of antimony is valueless for the relief of bilharziasis, one treatment with an effective vermicide may do much to clear the intestinal tract of worms. Hence it is recommended that oil of chenopodium (or thymol) be administered to every patient suspected of ankylostomiasis *at the first visit* without waiting to examine the stool beforehand. The hæmoglobin value of the blood should be determined and a specimen of the stool obtained during treatment.

The results of the routine examination of stools above detailed show that a clinical diagnosis may often be mistaken. But the important class of chronic dysenteries may be recognized at once by naked eye examination of the stools, which are generally semi-liquid and contain an excess of mucus, pus, and often traces of blood.

The examination of stools for ova should occupy little more time than the examination of urine for bilharzia ova. A *temargi* can be trained to apply the floatation method to non-dysenteric stools. He should be shown how to emulsify a portion of stool in saturated saline solution and to pour this through two layers of gauze bandage into a suitable receptacle, which is then filled up with saturated saline solution. A row of test tubes in a stand serves admirably. The Medical Officer on arrival simply has to transfer the top film to a slide by means of a wire loop, taking care to include the sides, where ova may congregate more than in the centre of the top layer. Similarly a *temargi* may be taught to count worms in the stools passed after treatment. At present we are experimenting with another anthelmintic, carvaerol, obtained from oil of origanum. This drug is an isomer of thymol, but is a liquid and hence better able to come into close contact with the worms. The results so far have been very encouraging and the drug does not appear more toxic to patients than is thymol. A dose of 1·5 c.c. is about the minimum effective dose, but we are now giving 3 and 3·5 c.c. without ill-effects to in-patients.

*Maternity Welfare Centre.*

The following table shows the number of cases of labour admitted during the years 1918, 1919, 1920 and 1921 :—

| Year. | Normal Labours. | Difficult Labours. | Caeserian Sections. | Eclampsia Cases. | Twins. |
|---|---|---|---|---|---|
| **1918**... ... ... | 40 | 23 | 4 | 3 | 2 |
| **1919**... ... ... | 49 | 21 | 2 | 3 | 2 |
| **1920**... ... ... | 63 | 45 | 3 | 4 | 2 |
| **1921**... ... ... | 123 | 49 | 4 | 7 | 3 |

The above figures show the greater relative increase of normal as compared to difficult labours. The number of the former in 1921 is nearly double that in 1920 ; a testimony of the appreciation and confidence of the hospital class of patients in the new Department.

*Child Welfare Clinic.*

The child welfare clinic was first started in the hospital in November 1919, *i.e.* a little over two years ago. The principle of the work, here as elsewhere, is the education of the mother in all matters pertaining to the welfare of her child. Both collective and individual teaching are carried out, the former in classes given by a trained nurse, the latter by the doctor in attendance.

A somewhat novel feature of the work here is the issue of fresh milk daily for the babies who have passed their first year, with the object of helping in the process of weaning of the child.

Out-patient experience showed that a large number of the gastro-intestinal disturbances of the second period of infancy, and the marasmus consequent thereon, date, even by the mothers' own admission, to the time when the child was weaned. There is no wonder at that, when the process of weaning, as ordinarily practised, is remembered. The baby, who has been almost exclusively suckled on the breast for one and a half or two years or even more, is suddenly shifted on to whatever food is available, mostly unsuitable and indigestible articles. The nipples are smeared with myrrh or some other nasty preparation and the child is forced to take whatever is offered it in the way of food. It was no good advising the gradual weaning and the accustoming of the child to take animal milk in increasing amounts till it can be completely taken off the breast. The average earning of a working-class family in Cairo probably does not exceed P.T. 7 or 8 a day. Out of that sum it cannot be expected that the father will be able to provide the required amount of milk—say one and a half rotls a day at a cost of P.T. 2½ to 3—a sum which would absorb 30 to 40 per cent of his total income. It was these considerations which first suggested the idea of distributing milk as before mentioned, and the results have fully justified the procedure.

The education attempted is both theoretical and practical, hygienic and domestic. Demonstrations in the proper methods of nursing babies and in the preparation, cutting and sewing of babies' clothes are given, the clothes made being afterwards distributed to the mothers gratis or against the payment of P.T. 1.

The cost of material distributed as clothes and the price of milk issued are all paid out of contributions kindly offered by many Egyptian ladies who have visited the clinic and who have shown great interest in the work.

Registration at the clinic is strictly limited to the mothers who have been attending the Gynæcological out-patient of the hospital, and to those who were delivered in the lying-in wards. Owing to the marked shortage of institutions in Cairo and the suburbs, these mothers come from all over the town and even from as far as Gîza and Meâdi. It is therefore a practical impossibility to do any home visiting at present from the hospital as a centre. When, however, the new district midwifery scheme is in full working order, it will be feasible to limit the attendance at the welfare clinic to the mothers living within the district served by the midwives of the hospital, and it will be possible then to do home visiting.

The number of mothers registered at the end of the first year was thirty-four, at the end of the second year it was 134. Of these, 100, or 74 per cent, have been attending fairly regularly at least once a month, fifteen have been lost sight of, eleven are not attending regularly, and eight babies are known to have died during the year.

These figures are too small to allow yet of any comparison of the death-rate at various age periods of those attending the welfare clinic with the corresponding average death-rate for Cairo.

TABLE XXIII.—ANALYSIS OF 12,188 IN-PATIENTS DISCHARGED AND DIED DURING THE YEAR 1921.

| SECTION. | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| Medical | 3,500 | 2,831 | 669 | 904 | 1,573 | 572 | 451 |
| Surgical | 4,465 | 3,564 | 901 | 1,496 | 2,026 | 327 | 616 |
| Ear, nose, and throat | 187 | 124 | 63 | 115 | 36 | 26 | 10 |
| Ophthalmic | 1,381 | 864 | 517 | 924 | 359 | 95 | 3 |
| Gynæcological and obstetric | 661 | — | 661 | 525 | 71 | 43 | 22 |
| Skin and venereal | 733 | 570 | 163 | 199 | 421 | 111 | 2 |
| Antirabic | 1,261 | 917 | 344 | 1,252 | — | — | 9 |
| GRAND TOTAL | 12,188 | 8,870 | 3,318 | 5,415 | 4,486 | 1,174 | 1,113 |

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **MEDICAL IN-PATIENTS.** | | | | | | | |
| *Specific Infectious Diseases :—* | | | | | | | |
| Bacterial Diseases :— | | | | | | | |
| Diphtheria | 2 | 2 | — | 1 | 1 | — | — |
| Erysipelas | 6 | 4 | 2 | 5 | — | — | 1 |
| Influenza | 40 | 27 | 13 | 32 | 6 | 1 | 1 |
| Typhoid fever | 8 | 8 | — | 1 | — | 7 | — |
| Lobar pneumonia | 42 | 29 | 13 | 19 | 10 | — | 13 |
| Bronchopneumonia | 31 | 24 | 7 | 7 | 10 | 2 | 12 |
| Tetanus | 9 | 9 | — | 4 | 1 | — | 4 |
| Tuberculosis :— | | | | | | | |
| Miliary tuberculosis | 2 | 2 | — | — | — | — | 2 |
| Pulmonary tuberculosis | 229 | 183 | 46 | 3 | 105 | 53 | 68 |
| Tubercular peritonitis | 40 | 23 | 17 | — | 29 | 4 | 7 |
| Bacillary dysentery | 2 | 2 | — | — | 2 | — | — |
| Protozoal Diseases :— | | | | | | | |
| Amœbic dysentery | 114 | 97 | 17 | 35 | 61 | 8 | 10 |
| Malaria | 27 | 23 | 4 | 17 | 10 | — | — |
| Metazoan Parasites :— | | | | | | | |
| Trematodes :— | | | | | | | |
| Bilharzia of urinary tract | 82 | 72 | 10 | 7 | 66 | 6 | 3 |
| Bilharzia of intestinal tract | 80 | 76 | 4 | 7 | 52 | 15 | 6 |
| Bilharzia of urinary and intestinal tracts | 15 | 14 | 1 | 2 | 11 | 2 | — |
| Cestodes :— | | | | | | | |
| Tænia | 4 | 2 | 2 | 2 | 2 | — | — |
| Nematodes :— | | | | | | | |
| Ankylostomiasis | 166 | 143 | 23 | 17 | 116 | 18 | 15 |
| Ascariasis | 7 | 5 | 2 | 3 | 3 | 1 | — |
| Infectious diseases of doubtful or unknown Ætiology :— | | | | | | | |
| Measles | 1 | — | 1 | — | — | 1 | — |
| Varicella | 1 | — | 1 | 1 | — | — | — |
| Typhus | 5 | 5 | — | 2 | — | 2 | 1 |
| Mumps | 1 | — | 1 | — | — | 1 | — |
| Rheumatic fever | 40 | 33 | 7 | 20 | 20 | — | — |
| Unspecified | 44 | 39 | 5 | 21 | 6 | 8 | 9 |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **MEDICAL IN-PATIENTS (*continued*).** | | | | | | | |
| *Intoxications and Poisons :—* | | | | | | | |
| Alcohol | 148 | 141 | 7 | 147 | — | — | 1 |
| Ammonia | 1 | 1 | — | 1 | — | — | — |
| Arsenic | 2 | 2 | — | 2 | — | — | — |
| Carbolic acid | 10 | 8 | 2 | 5 | 2 | — | 3 |
| Corrosive sublimate | 2 | 2 | — | 2 | — | — | — |
| Cocaine | 13 | 12 | 1 | 13 | — | — | — |
| *Manzûl* | 18 | 18 | — | 17 | — | — | 1 |
| Datura | 49 | 47 | 2 | 44 | — | 1 | 4 |
| CO. | 5 | 5 | — | 5 | — | — | — |
| Opium | 6 | 5 | 1 | 4 | — | — | 2 |
| Petroleum | 5 | 2 | 3 | 2 | 1 | 1 | 1 |
| Potassium permanganate | 1 | 1 | — | 1 | — | — | — |
| Ptomaine | 26 | 16 | 10 | 25 | — | — | 1 |
| Suspected poison | 13 | 12 | 1 | 7 | 4 | — | 2 |
| *Deficiency Diseases :—* | | | | | | | |
| Pellagra | 119 | 112 | 7 | 3 | 65 | 40 | 11 |
| *Diseases of Metabolism :—* | | | | | | | |
| Diabetes mellitus | 29 | 23 | 6 | — | 11 | 17 | 1 |
| Rickets | 4 | 1 | 3 | — | 2 | 2 | — |
| *Diseases of the Digestive System :—* | | | | | | | |
| Diseases of the teeth and gums :— | | | | | | | |
| Pyorrhœa alveolaris | 3 | 3 | — | — | 3 | — | — |
| Diseases of the tonsils :— | | | | | | | |
| Tonsilitis | 23 | 11 | 12 | 19 | 4 | — | — |
| Diseases of the pharynx :— | | | | | | | |
| Pharyngitis | 8 | 6 | 2 | 6 | 2 | — | — |
| Diseases of the stomach :— | | | | | | | |
| Gastritis | 39 | 29 | 10 | 14 | 20 | 3 | 2 |
| Dilatation | 1 | — | 1 | — | 1 | — | — |
| Ulcer | 8 | 7 | 1 | 1 | 5 | 1 | 1 |
| Diseases of the intestines :— | | | | | | | |
| Colitia | 16 | 10 | 6 | — | 11 | 1 | 4 |
| Diarrhœa | 52 | 44 | 8 | 24 | 19 | 2 | 7 |
| Appendicitis | 3 | 2 | 1 | 1 | 1 | 1 | — |
| Constipation | 8 | 7 | 1 | 3 | 4 | — | 1 |
| Colic | 32 | 30 | 2 | 27 | 5 | — | — |
| Diseases of the Liver :— | | | | | | | |
| Hepatitis | 9 | 8 | 1 | 3 | 5 | — | 1 |
| Perihepatitis | 1 | 1 | — | 1 | — | — | — |
| Jaundice | 17 | 15 | 2 | 5 | 9 | — | 3 |
| Gall-stones | 1 | 1 | — | 1 | — | — | — |
| Cholecystitis | 2 | 2 | — | — | 1 | 1 | — |
| Cancer | 4 | 3 | 1 | — | — | 1 | 3 |
| Abdominal tumours | 7 | 3 | 4 | — | — | 7 | — |
| *Diseases of the Respiratory System :—* | | | | | | | |
| Bronchitis | 233 | 220 | 13 | 62 | 141 | 11 | 19 |
| Bronchial asthma | 5 | 4 | 1 | 1 | 4 | — | — |
| Emphysema | 6 | 4 | 2 | — | 5 | — | 1 |
| Bronchiectasis | 5 | 4 | 1 | — | 4 | — | 1 |
| Pleurisy | 26 | 19 | 7 | 5 | 17 | 3 | 1 |
| Empyema | 2 | 2 | — | — | 1 | — | 1 |
| Pneumothorax | 2 | — | 2 | — | 1 | 1 | — |
| Gangrene | 2 | 2 | — | — | — | — | 2 |
| Malignant disease | 3 | 2 | 1 | — | — | 3 | — |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **MEDICAL IN-PATIENTS (*continued*).** | | | | | | | |
| *Diseases of the Urinary System :—* | | | | | | | |
| Nephritis | 103 | 80 | 23 | 5 | 68 | 10 | 20 |
| Uræmia | 8 | 7 | 1 | — | — | — | 8 |
| Renal colic | 60 | 58 | 2 | 30 | 29 | — | 1 |
| *Diseases of the Blood :—* | | | | | | | |
| Anæmia | 73 | 59 | 14 | 10 | 51 | 7 | 5 |
| Purpura | 1 | — | 1 | 1 | — | — | — |
| Myelocytic leukæm... | 6 | 4 | 2 | — | 2 | 4 | — |
| Lymphatic leukæm... | 1 | 1 | — | — | 1 | — | — |
| Lymphadenoma | 1 | 1 | — | — | 1 | — | — |
| *Diseases of the Circulatory System :—* | | | | | | | |
| Diseases of the Pericardium :— | | | | | | | |
| Pericarditis | 4 | 4 | — | — | 2 | — | 2 |
| Diseases of the Myocardium :— | | | | | | | |
| Myocarditis | 2 | 2 | — | — | 1 | 1 | — |
| Auricular fibrill | 4 | 3 | 1 | — | 4 | — | — |
| Extra-systoles | 1 | 1 | — | — | — | 1 | — |
| Tachycardia | 1 | 1 | — | — | 1 | — | — |
| Cardiac hypertrophy | 1 | 1 | — | — | 1 | — | — |
| Cardiac failure | 169 | 131 | 38 | — | 93 | 14 | 62 |
| Angina pectoris | 1 | 1 | — | 1 | — | — | — |
| Diseases of the Endocardium :— | | | | | | | |
| Mitral regurgitation | 13 | 10 | 3 | — | 4 | 5 | 4 |
| Mitral stenosis regurgitation | 45 | 28 | 17 | — | 38 | 3 | 4 |
| Mitral stenosis | 15 | 10 | 5 | — | 14 | — | 1 |
| Aortic regurgitation | 1 | 1 | — | — | 1 | — | — |
| Aortic stenosis and regurgitation | 5 | 4 | 1 | — | 4 | — | 1 |
| Aortic and mitral and regurgitation | 1 | 1 | — | — | — | — | 1 |
| Diseases of the Blood Vessels :— | | | | | | | |
| Arteriosclerosis | 8 | 7 | 1 | — | 3 | 2 | 3 |
| Phlebitis | 3 | 2 | 1 | 1 | 2 | — | — |
| Raynaud's disease | 1 | 1 | — | — | 1 | — | — |
| Intermittent claudic | 1 | 1 | — | — | 1 | — | — |
| *Diseases of the Ductless Glands :—* | | | | | | | |
| Diseases of the Spleen :— | | | | | | | |
| Primary splenomegaly (Banti's disease) | 175 | 137 | 38 | — | 125 | 29 | 21 |
| Diseases of the Thyroid :— | | | | | | | |
| Cretinism | 1 | — | 1 | — | 1 | — | — |
| Exophthalmic goitre | 1 | — | 1 | — | 1 | — | — |
| *Diseases of the Nervous System :—* | | | | | | | |
| Diseases of the Brain :— | | | | | | | |
| Mental diseases | 115 | 97 | 18 | 12 | — | 103 | — |
| General paralysis of the insane | 5 | 5 | — | — | 1 | 4 | — |
| Hysteria | 12 | 5 | 7 | 5 | 1 | 6 | — |
| Epilepsy | 15 | 13 | 2 | 3 | 8 | 4 | — |
| Neurasthenia | 3 | 3 | — | 1 | 2 | — | — |
| Hemiplegia | 129 | 101 | 28 | — | 56 | 48 | 25 |
| Infantile cerebral paralysis | 1 | 1 | — | — | 1 | — | — |
| Cerebral tumours | 4 | 3 | 1 | — | 3 | — | 1 |
| Cerebellar tumour | 1 | — | 1 | — | — | 1 | — |
| Paralysis agitans | 2 | 2 | — | — | 1 | 1 | — |
| Chorea | 4 | 3 | 1 | 3 | 1 | — | — |
| Tetany | 1 | — | 1 | — | — | — | 1 |
| Headache | 3 | 2 | 1 | 3 | — | — | — |
| Aphasia | 1 | 1 | — | — | — | 1 | — |
| Enuresis | 1 | — | 1 | — | 1 | — | — |
| Epidemic encephalitis | 3 | — | 3 | — | 1 | — | 2 |
| Hydrocephalus | 2 | 1 | 1 | — | — | 1 | 1 |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **MEDICAL IN-PATIENTS (*continued*).** | | | | | | | |
| Diseases of the Spinal Cord :— | | | | | | | |
| Lateral sclerosis | 27 | 20 | 7 | — | 11 | 15 | 1 |
| Myelitis | 35 | 29 | 6 | — | 21 | 12 | 2 |
| Disseminated sclerosis | 3 | 2 | 1 | — | 1 | 2 | — |
| Progressive muscular atrophy | 2 | 1 | 1 | — | 1 | 1 | — |
| Locomotor ataxia | 4 | 4 | — | — | 3 | 1 | — |
| Syringemyelia | 1 | 1 | — | — | 1 | — | — |
| Diseases of the Nerves :— | | | | | | | |
| Facial paralysis | 8 | 7 | 1 | — | 8 | — | — |
| Neuritis | 21 | 18 | 3 | 3 | 16 | 2 | — |
| Neuralgia | 1 | 1 | — | — | 1 | — | — |
| Sciatica | 11 | 9 | 2 | 3 | 5 | 3 | — |
| Herpes zoster | 1 | 1 | — | 1 | — | — | — |
| *Diseases of the Locomotory System :—* | | | | | | | |
| Osteo-arthritis | 13 | 10 | 3 | — | 9 | 4 | — |
| Pleurodynia | 4 | 4 | — | 3 | 1 | — | — |
| Lumbago | 7 | 7 | — | 4 | 3 | — | — |
| Fibrositis | 30 | 29 | 1 | 15 | 14 | 1 | — |
| Pseudo-hypertrophic muscular paralysis | 2 | 2 | — | — | — | 2 | — |
| *Miscellaneous Diseases :—* | | | | | | | |
| Æsthenia | 96 | 68 | 28 | 5 | 31 | 32 | 28 |
| Scorpion sting | 127 | 51 | 76 | 115 | — | — | 12 |
| Snake bite | 4 | 1 | 3 | 4 | — | — | — |
| Electric shock | 1 | 1 | — | — | 1 | — | — |
| Malingering | 1 | 1 | — | 1 | — | — | — |
| Under observation | 8 | 5 | 3 | 5 | — | 3 | — |
| Undiagnosed | 31 | 23 | 8 | 6 | 6 | 3 | 16 |
| **SURGICAL IN-PATIENTS.** | | | | | | | |
| *Non-specific Pyogenic Infections :—* | | | | | | | |
| Abscess | 133 | 113 | 20 | 74 | 50 | 5 | 4 |
| Cellulitis | 142 | 118 | 24 | 43 | 81 | 5 | 13 |
| Sinus | 17 | 12 | 5 | 3 | 10 | 2 | 2 |
| Septicæmia | 8 | 6 | 2 | — | — | — | 8 |
| Pyæmia | 7 | 7 | — | — | 2 | — | 5 |
| *Ulcers* | 61 | 52 | 9 | 19 | 32 | 5 | 5 |
| Skin grafting | 2 | 2 | — | 2 | — | — | — |
| *Gangrene* | 29 | 10 | 19 | 4 | 10 | — | 15 |
| Raynaud's disease | 2 | 1 | 1 | — | 2 | — | — |
| Cancrum oris | 4 | 1 | 3 | 1 | 2 | — | 1 |
| *Burns and Scalds* | 206 | 99 | 107 | 31 | 68 | 6 | 101 |
| *Specific Infectious Diseases :—* | | | | | | | |
| Erysipelas | 85 | 71 | 14 | 44 | 26 | — | 15 |
| Tetanus | 2 | 1 | 1 | 1 | — | — | 1 |
| Tuberculosis :— | | | | | | | |
| Miliary | 1 | 1 | — | — | — | — | 1 |
| Tubercular abscess | 12 | 9 | 3 | 3 | 8 | — | 1 |
| Tubercular ulcer | 1 | — | 1 | — | 1 | — | — |
| Madura foot | 2 | 2 | — | — | 1 | 1 | — |
| Oriental sore | 11 | 11 | — | 4 | 7 | — | — |

TABLE XXIII (*continued*).

| | Total. | Males. | Females | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **SURGICAL IN-PATIENTS (*continued*).** | | | | | | | |
| *Tumours and Cysts :—* | | | | | | | |
| Tumours :— | | | | | | | |
| Sarcoma | 23 | 18 | 5 | 3 | 8 | 11 | 1 |
| Lipoma | 13 | 4 | 9 | 12 | — | 1 | — |
| Fibroma | 2 | — | 2 | 2 | — | — | — |
| Osteoma | 1 | 1 | — | 1 | — | — | — |
| Epithelioma | 6 | 3 | 3 | — | — | 6 | — |
| Papilloma | 1 | 1 | — | — | 1 | — | — |
| Cysts | 1 | 1 | — | 1 | — | — | — |
| *Contusions and wounds :—* | | | | | | | |
| Contusions | 73 | 59 | 14 | 36 | 37 | — | — |
| Contused wounds | 45 | 39 | 6 | 16 | 28 | 1 | — |
| Incised wounds | 45 | 37 | 8 | 13 | 32 | — | — |
| Lacerated wounds | 92 | 77 | 15 | 19 | 61 | 5 | 7 |
| Punctured wounds | 46 | 42 | 4 | 17 | 27 | — | 2 |
| Gunshot wounds | 64 | 61 | 3 | 12 | 38 | 1 | 13 |
| Crushes | 117 | 102 | 15 | — | 64 | — | 53 |
| Whitlow | 17 | 11 | 6 | 11 | 6 | — | — |
| Scars | 9 | 5 | 4 | 1 | 6 | 2 | — |
| Keloid | 1 | 1 | — | — | 1 | — | — |
| Needles in tissues | 9 | 5 | 4 | 6 | 2 | 1 | — |
| *Diseases of the Arteries :—* | | | | | | | |
| Arterio-venous aneurysm | 1 | 1 | — | — | — | 1 | — |
| *Diseases of the Veins :—* | | | | | | | |
| Thrombosis | 9 | 6 | 3 | 3 | 4 | 1 | 1 |
| Phlebitis | 5 | 3 | 2 | 4 | 1 | — | — |
| Varicose veins | 7 | 6 | 1 | — | 6 | 1 | — |
| Angioma | 5 | 1 | 4 | 2 | 1 | 2 | — |
| *Diseases of the Lymphatic System :—* | | | | | | | |
| Lymphangitis | 4 | 3 | 1 | 1 | 3 | — | — |
| Lymphangioma | 1 | 1 | — | 1 | — | — | — |
| Elephantiasis | 6 | 5 | 1 | 1 | 3 | 2 | — |
| Septic lympadenitis | 18 | 11 | 7 | 4 | 11 | 3 | — |
| Tubercul. lymph. glands | 81 | 27 | 54 | 30 | 44 | 6 | 1 |
| Lymphosarcoma | 7 | 4 | 3 | — | 3 | 4 | — |
| *Diseases of the Nerves :—* | | | | | | | |
| Cut nerves | 2 | 2 | — | — | — | 2 | — |
| *Diseases of the Skin :—* | | | | | | | |
| Boil | 27 | 21 | 6 | 15 | 12 | — | — |
| Carbuncle | 7 | 6 | 1 | — | 7 | — | — |
| Corn | 1 | 1 | — | — | — | 1 | — |
| Sebacious cyst | 3 | 2 | 1 | 3 | — | — | — |
| Rodent ulcer | 9 | 7 | 2 | 3 | 4 | 1 | 1 |
| *Diseases of the Muscles, Tendons, and Bursæ :—* | | | | | | | |
| Rupture of muscle | 1 | — | 1 | 1 | — | — | — |
| Cut tendons | 4 | 4 | — | 1 | 2 | 1 | — |
| Myositis | 3 | 3 | — | — | 3 | — | — |
| Ganglion | 2 | 2 | — | — | 1 | 1 | — |
| Bursitis | 3 | 3 | — | 1 | 2 | — | — |
| *Deformities :—* | | | | | | | |
| Scoliosis | 1 | — | 1 | — | — | 1 | — |
| Kyphosis | 1 | — | 1 | — | 1 | — | — |
| Congenital dislocation of hip | 1 | — | 1 | — | — | 1 | — |
| Coxa vara | 1 | 1 | — | — | — | 1 | — |
| Genu valgum | 1 | — | 1 | — | 1 | — | — |
| Talipes equino-varus | 2 | 1 | 1 | — | 1 | 1 | — |
| Flat foot | 3 | 1 | 2 | — | 1 | 2 | — |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **SURGICAL IN-PATIENTS (*continued*).** | | | | | | | |
| *Fractures* :— | | | | | | | |
| Nasal bones :— | | | | | | | |
| Compound ... ... ... ... ... ... ... | 10 | 9 | 1 | — | 10 | — | — |
| Zygoma :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 1 | 1 | — | — | — | — | 1 |
| Compound ... ... ... ... ... ... ... | 1 | — | 1 | — | 1 | — | — |
| Superior maxilla :— | | | | | | | |
| Compound ... ... ... ... ... ... ... | 3 | 2 | 1 | — | 3 | — | — |
| Inferior maxilla :— | | | | | | | |
| Compound ... ... ... ... ... ... ... | 12 | 10 | 2 | — | 9 | 1 | 2 |
| Ribs :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 48 | 39 | 9 | — | 37 | 2 | 9 |
| Clavicle :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 34 | 29 | 5 | — | 34 | — | — |
| Scapula :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 4 | 4 | — | — | 4 | — | — |
| Humerus :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 56 | 45 | 11 | — | 55 | — | 1 |
| Compound ... ... ... ... ... ... ... | 11 | 9 | 2 | — | 10 | 1 | — |
| Ulna :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 33 | 28 | 5 | — | 33 | — | — |
| Compound ... ... ... ... ... ... ... | 8 | 8 | — | — | 7 | — | 1 |
| Radius :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 30 | 25 | 5 | — | 28 | 2 | — |
| Compound ... ... ... ... ... ... ... | 1 | — | 1 | — | 1 | — | — |
| Radius and ulna :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 28 | 27 | 1 | — | 27 | 1 | — |
| Compound ... ... ... ... ... ... ... | 17 | 13 | 4 | — | 15 | 1 | 1 |
| Carpus :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 2 | 2 | — | — | 2 | — | — |
| Metacarpus and phalanges :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 11 | 11 | — | — | 11 | — | — |
| Compound ... ... ... ... ... ... ... | 2 | 1 | 1 | — | 2 | — | — |
| Pelvis :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 14 | 9 | 5 | — | 8 | — | 6 |
| Femur, neck :— | | | | | | | |
| Simple ... ... ... ... ... ... ... | 16 | 11 | 5 | — | 12 | — | 4 |
| Femur, shaft :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 83 | 60 | 23 | — | 79 | — | 4 |
| Compound ... ... ... ... ... ... ... | 7 | 4 | 3 | — | 2 | — | 5 |
| Femur, condyles :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 5 | 4 | 1 | — | 5 | — | — |
| Compound ... ... ... ... ... ... ... | 2 | 2 | — | — | 2 | — | — |
| Patella :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 5 | 5 | — | — | 4 | 1 | — |
| Compound ... ... ... ... ... ... ... | 1 | — | 1 | — | 1 | — | — |
| Tibia :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 24 | 22 | 2 | — | 22 | 1 | 1 |
| Compound ... ... ... ... ... ... ... | 8 | 8 | — | — | 8 | — | — |
| Fibula :— | | | | | | | |
| Simple ... ... ... ... ... ... ... ... | 6 | 6 | — | — | 6 | — | — |
| Compound ... ... ... ... ... ... ... | 2 | 2 | — | — | 2 | — | — |

TABLE XXIII (*continued*).

SURGICAL IN-PATIENTS (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| *Fractures (continued):—* | | | | | | | |
| Tibia and fibula | | | | | | | |
| Simple | 68 | 55 | 13 | — | 64 | 4 | — |
| Compound | 53 | 43 | 10 | — | 42 | — | 11 |
| Tarsus, calcaneous :— | | | | | | | |
| Simple | 3 | 2 | 1 | — | 3 | — | — |
| Metatarsus :— | | | | | | | |
| Simple | 3 | 2 | 1 | — | 2 | 1 | — |
| Compound | 1 | 1 | — | — | 1 | — | — |
| Multiple :— | | | | | | | |
| Simple | 25 | 22 | 3 | — | 12 | 1 | 12 |
| Compound | 17 | 15 | 2 | — | 5 | — | 12 |
| *Diseases of Bone :—* | | | | | | | |
| Periostitis | 7 | 6 | 1 | 2 | 4 | 1 | — |
| Acute osteomyelitis | 14 | 9 | 5 | 4 | 4 | — | 6 |
| Necrosis | 54 | 39 | 15 | 10 | 33 | 7 | 4 |
| Tubercular osteitis | 35 | 22 | 13 | 4 | 22 | 3 | 6 |
| Sarcoma | 9 | 7 | 2 | — | 1 | 5 | 3 |
| *Injuries of Joints :—* | | | | | | | |
| Sprains | 63 | 49 | 14 | 45 | 18 | — | — |
| Penetrating wounds | 1 | 1 | — | 1 | — | — | — |
| Dislocations :— | | | | | | | |
| Shoulder | 6 | 4 | 2 | 4 | 1 | 1 | — |
| Elbow | 11 | 9 | 2 | — | 9 | 2 | — |
| Wrist | 2 | 2 | — | 2 | — | — | — |
| Hip | 12 | 7 | 5 | 10 | — | 1 | 1 |
| Knee | 1 | 1 | — | — | — | 1 | — |
| Ankle | 3 | 2 | 1 | — | 3 | — | — |
| Astraglus | 1 | 1 | — | — | — | 1 | — |
| Metatarsus | 1 | — | 1 | 1 | — | — | — |
| *Diseases of Joints :—* | | | | | | | |
| Synovitis | 18 | 15 | 3 | 8 | 8 | 1 | 1 |
| Arthritis | 3 | 2 | 1 | — | 3 | — | — |
| Septic arthritis :— | | | | | | | |
| Elbow | 1 | 1 | — | — | 1 | — | — |
| Wrist | 1 | 1 | — | — | 1 | — | — |
| Knee | 11 | 9 | 2 | — | 2 | 1 | 8 |
| Ankle | 1 | — | 1 | — | 1 | — | — |
| Tubercular Disease :— | | | | | | | |
| Elbow | 13 | 4 | 9 | — | 9 | 3 | 1 |
| Wrist | 1 | 1 | — | 1 | — | — | — |
| Hip | 39 | 28 | 11 | — | 23 | 12 | 4 |
| Knee | 25 | 19 | 6 | — | 22 | 3 | — |
| Ankle | 6 | 2 | 4 | — | 2 | 4 | — |
| Tarsus | 2 | 1 | 1 | 1 | 1 | — | — |
| Multiple | 1 | — | 1 | — | — | 1 | — |
| Osteo-arthritis | 2 | 2 | — | — | 2 | — | — |
| Charcot's joint | 1 | 1 | — | — | 1 | — | — |
| Baker's cyst | 2 | 2 | — | 2 | — | — | — |
| Foreign body | 1 | 1 | — | 1 | — | — | — |
| Ankylosis | 10 | 7 | 3 | — | 9 | 1 | — |
| *Injuries of the Spine :—* | | | | | | | |
| Sprains | 13 | 12 | 1 | 8 | 2 | — | 3 |
| Fractures | 21 | 16 | 5 | — | 6 | 6 | 9 |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **SURGICAL IN-PATIENTS (*continued*).** | | | | | | | |
| *Diseases of the Spine :—* | | | | | | | |
| Spina bifida | 2 | — | 2 | 1 | — | 1 | — |
| Pott's disease | 70 | 40 | 30 | 7 | 41 | 16 | 6 |
| *Diseases of the Scalp and Cranium :—* | | | | | | | |
| Hæmatoma of scalp | 9 | 8 | 1 | 2 | 4 | 1 | 2 |
| Wounds of the scalp | 111 | 100 | 11 | 38 | 64 | 3 | 6 |
| Epithelioma of scalp | 2 | 2 | — | — | 1 | 1 | — |
| Fissured fracture | 10 | 8 | 2 | 3 | 5 | — | 2 |
| Depressed fracture | 78 | 62 | 16 | 30 | 15 | 2 | 31 |
| Fracture of base | 66 | 54 | 12 | 17 | 15 | 1 | 33 |
| *Diseases of the Brain :—* | | | | | | | |
| Concussion | 53 | 40 | 13 | 27 | 15 | 2 | 9 |
| Cerebral abscess | 1 | — | 1 | — | — | — | 1 |
| Cerebral tumour | 2 | — | 2 | — | — | 1 | 1 |
| Cerebral thrombosis | 1 | 1 | — | — | — | — | 1 |
| Traumatic epilepsy | 1 | 1 | — | — | — | — | 1 |
| *Diseases of the Lips and Jaws :—* | | | | | | | |
| Harelip | 4 | 1 | 3 | 2 | 1 | 1 | — |
| Epithelioma of lip | 3 | 3 | — | 2 | — | 1 | — |
| Gingivitis | 5 | 4 | 1 | 4 | 1 | — | — |
| Alveolar abscess | 2 | 2 | — | — | 2 | — | — |
| Pyorrhœa alveolaris | 1 | 1 | — | — | 1 | — | — |
| Carious teeth | 10 | 10 | — | 6 | 2 | 2 | — |
| Epulis | 1 | 1 | — | — | 1 | — | — |
| Necrosis of jaw | 24 | 21 | 3 | 8 | 13 | 1 | 2 |
| Sarcoma of jaw | 7 | 4 | 3 | 2 | — | 5 | — |
| Ankylosis of jaw | 2 | 1 | 1 | — | — | 2 | — |
| *Diseases of the Mouth :—* | | | | | | | |
| Glossitis | 1 | 1 | — | — | 1 | — | — |
| Ulcer of tongue | 1 | 1 | — | 1 | — | — | — |
| Cancer of tongue | 5 | 5 | — | — | — | 4 | 1 |
| Parotitis | 5 | 3 | 2 | 1 | 2 | 1 | 1 |
| Parotid fistula | 2 | 2 | — | 1 | 1 | — | — |
| Parotid tumour | 3 | 2 | 1 | 2 | — | 1 | — |
| Submaxillary fistula | 1 | 1 | — | — | 1 | — | — |
| Ranula | 8 | 6 | 2 | 6 | 1 | 1 | — |
| *Diseases of the Neck :—* | | | | | | | |
| Blood cyst | 1 | — | 1 | 1 | — | — | — |
| Cut throat | 1 | 1 | — | 1 | — | — | — |
| Goitre | 29 | 7 | 22 | 17 | 4 | 6 | 2 |
| Vincent's angina | 7 | 6 | 1 | 5 | — | — | 2 |
| *Diseases of the Chest :—* | | | | | | | |
| Contusion | 14 | 12 | 2 | 6 | 8 | — | — |
| Necrosis of rib | 12 | 8 | 4 | 3 | 7 | 1 | 1 |
| Cold abscess | 2 | 2 | — | 1 | 1 | — | — |
| Non-penetrating wounds | 14 | 11 | 3 | 10 | 4 | — | — |
| Penetrating wounds | 7 | 5 | 2 | 2 | 3 | — | 2 |
| Empyema | 15 | 12 | 3 | 2 | 4 | — | 9 |
| *Diseases of the Breast :—* | | | | | | | |
| Abscess of breast | 18 | 2 | 16 | 7 | 10 | — | 1 |
| Tuberculosis of breast | 1 | — | 1 | — | — | — | 1 |
| Cancer of breast | 9 | — | 9 | 3 | — | 2 | 4 |
| Elephantiasis | 1 | — | 1 | 1 | — | — | — |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **SURGICAL IN-PATIENTS (*continued*).** | | | | | | | |
| *Diseases of the Abdomen :—* | | | | | | | |
| Contusion... ... ... ... ... ... ... ... | 5 | 1 | 4 | 4 | — | — | 1 |
| Intra-abdominal hæmorrhage ... ... ... | 4 | 3 | 1 | — | — | — | 4 |
| Abdominal tumour... ... ... ... ... ... | 7 | 5 | 2 | 1 | — | 4 | 2 |
| Abdominal Wall :— | | | | | | | |
| Abscess ... ... ... ... ... ... ... ... | 19 | 12 | 7 | 7 | 12 | — | — |
| Non-penetrating wounds ... ... ... ... | 8 | 7 | 1 | 5 | 3 | — | — |
| Penetrating wounds ... ... ... ... ... | 21 | 20 | 1 | 8 | — | — | 13 |
| Urachal cyst ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — | — |
| Epithelioma ... ... ... ... ... ... ... | 1 | 1 | — | — | — | — | 1 |
| Peritoneum :— | | | | | | | |
| Peritonitis ... ... ... ... ... ... ... | 6 | 4 | 2 | 4 | — | — | 2 |
| Tubercular peritonitis ... ... ... ... ... | 1 | — | 1 | — | — | 1 | — |
| Stomach :— | | | | | | | |
| Ulcer... ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — | — |
| Intestines :— | | | | | | | |
| Rupture ... ... ... ... ... ... ... ... | 5 | 5 | — | 1 | — | — | 4 |
| Appendicitis ... ... ... ... ... ... ... | 26 | 23 | 3 | 18 | 5 | — | 3 |
| Fæcal fistula ... ... ... ... ... ... ... | 2 | 2 | — | 1 | — | — | 1 |
| Bilharziasis ... ... ... ... ... ... ... | 2 | — | 2 | 1 | 1 | — | — |
| Cancer ... ... ... ... ... ... ... ... | 1 | 1 | — | — | — | — | 1 |
| Intestinal obstruction ... ... ... ... ... | 8 | 7 | 1 | 3 | — | — | 5 |
| Volvulus ... ... ... ... ... ... ... ... | 3 | 2 | 1 | 3 | — | — | — |
| Liver :— | | | | | | | |
| Rupture ... ... ... ... ... ... ... ... | 1 | 1 | — | — | — | — | 1 |
| Abscess ... ... ... ... ... ... ... ... | 8 | 8 | — | 4 | 2 | — | 2 |
| Cholecystitis ... ... ... ... ... ... ... | 3 | 3 | — | — | 1 | 2 | — |
| Gall-stones ... ... ... ... ... ... ... | 1 | — | 1 | 1 | — | — | — |
| Spleen :— | | | | | | | |
| Rupture ... ... ... ... ... ... ... ... | 3 | 3 | — | 2 | — | — | 1 |
| Abscess ... ... ... ... ... ... ... ... | 1 | 1 | — | — | — | — | 1 |
| Splenomegaly ... ... ... ... ... ... ... | 11 | 8 | 3 | — | 5 | 1 | 5 |
| Pancreas :— | | | | | | | |
| Cancer ... ... ... ... ... ... ... ... | 1 | 1 | — | — | 1 | — | — |
| *Hernia :—* | | | | | | | |
| Inguinal ... ... ... ... ... ... ... ... | 248 | 246 | 2 | 224 | — | 20 | 4 |
| Femoral ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — | — |
| Umbilical ... ... ... ... ... ... ... ... | 3 | 2 | 1 | 1 | — | 1 | 1 |
| Ventral ... ... ... ... ... ... ... ... | 9 | 2 | 7 | 9 | — | — | — |
| Irreducible ... ... ... ... ... ... ... | 8 | 8 | — | 8 | — | — | — |
| Strangulated ... ... ... ... ... ... ... | 38 | 38 | — | 24 | 4 | 1 | 9 |
| Recurrent... ... ... ... ... ... ... ... | 7 | 7 | — | 6 | — | 1 | — |
| *Diseases of the Rectum and Anus :—* | | | | | | | |
| Congenital narrow anus ... ... ... ... | 2 | — | 2 | 2 | — | — | — |
| Imperforate anus ... ... ... ... ... ... | 7 | — | 7 | 5 | — | — | 2 |
| Artificial anus... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — | — |
| Anal abscess ... ... ... ... ... ... ... | 6 | 6 | — | 5 | — | 1 | — |
| Ischio-rectal abscess ... ... ... ... ... | 9 | 9 | — | — | 9 | — | — |
| Fistula in ano... ... ... ... ... ... ... | 28 | 28 | — | 27 | — | 1 | — |
| Anal fissure ... ... ... ... ... ... ... | 11 | 9 | 2 | 11 | — | — | — |
| Bilharz. of perineum ... ... ... ... ... | 6 | 6 | — | — | 6 | — | — |
| Piles ... ... ... ... ... ... ... ... ... | 125 | 115 | 10 | 66 | 43 | 14 | 2 |
| Prolapse ... ... ... ... ... ... ... ... | 13 | 11 | 2 | 3 | 6 | 3 | 1 |
| Bilharz. of rectum ... ... ... ... ... ... | 15 | 14 | 1 | 2 | 11 | 2 | — |
| Polypus ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — | — |
| Stricture of rectum ... ... ... ... ... | 2 | 1 | 1 | 2 | — | — | — |
| Cancer of rectum ... ... ... ... ... ... | 6 | 5 | 1 | — | — | 1 | 5 |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **SURGICAL IN-PATIENTS (*continued*).** | | | | | | | |
| *Diseases of the Kidneys :—* | | | | | | | |
| Rupture | 5 | 4 | 1 | 2 | 2 | — | 1 |
| Hydronephrosis | 4 | 4 | — | — | 3 | — | 1 |
| Pyonephrosis | 14 | 9 | 5 | — | 9 | 2 | 3 |
| Renal calculus | 13 | 13 | — | 5 | 3 | 5 | — |
| Renal colic | 9 | 9 | — | — | 8 | 1 | — |
| Perinephric abscess | 7 | 7 | — | — | 2 | 2 | 3 |
| Tumour | 2 | — | 2 | — | — | 1 | 1 |
| Uræmia | 2 | 2 | — | — | — | — | 2 |
| *Diseases of the Bladder and Prostate :—* | | | | | | | |
| Ectopia vesicæ | 1 | — | 1 | — | — | 1 | — |
| Rupture of bladder | 1 | 1 | — | — | — | — | 1 |
| Cystitis | 16 | 14 | 2 | — | 6 | 4 | 6 |
| Cancer of bladder | 12 | 11 | 1 | — | — | 8 | 4 |
| Vesical calculus | 65 | 56 | 9 | 58 | — | 2 | 5 |
| Bilharz. of bladder | 37 | 34 | 3 | — | 29 | 6 | 2 |
| Incontinence of urine | 1 | 1 | — | — | 1 | — | — |
| Retention of urine | 2 | 2 | — | — | 1 | — | 1 |
| Enlarged prostate | 27 | 27 | — | 3 | 10 | 5 | 9 |
| Malig. dis. of prostate | 1 | 1 | — | — | — | — | 1 |
| *Diseases of the Urethra :—* | | | | | | | |
| Hypospadias | 2 | 2 | — | — | — | 2 | — |
| Periurethral abscess | 11 | 11 | — | 4 | 7 | — | — |
| Rupture | 1 | 1 | — | 1 | — | — | — |
| Impacted stone | 16 | 15 | 1 | 15 | — | — | 1 |
| Stricture | 13 | 13 | — | — | 11 | 1 | 1 |
| Urinary fistula | 69 | 69 | — | 18 | 40 | 6 | 5 |
| *Diseases of the Penis :—* | | | | | | | |
| Gangrene | 1 | 1 | — | — | 1 | — | — |
| Bilharziasis | 6 | 6 | — | 1 | 3 | 2 | — |
| *Diseases of the Testis Cord and Scrotum :—* | | | | | | | |
| Testis :— | | | | | | | |
| Abscess | 3 | 3 | — | 2 | — | — | 1 |
| Orchitis | 13 | 13 | — | 5 | 8 | — | — |
| Epididymitis | 2 | 2 | — | 2 | — | — | — |
| Bilharziasis | 1 | 1 | — | 1 | — | — | — |
| Hernia testis | 1 | 1 | — | 1 | — | — | — |
| Hydrocele | 102 | 102 | — | 96 | — | 5 | 1 |
| Hæmatocele | 5 | 5 | — | 4 | — | — | 1 |
| Tuberculosis | 3 | 3 | — | — | 3 | — | — |
| Cord :— | | | | | | | |
| Hæmatoma | 1 | 1 | — | — | 1 | — | — |
| Funiculitis | 41 | 41 | — | 13 | 25 | 2 | 1 |
| Hydrocele | 2 | 2 | — | 2 | — | — | — |
| Varicocele | 13 | 13 | — | 13 | — | — | — |
| Neuralgia | 1 | 1 | — | 1 | — | — | — |
| Sinus | 1 | 1 | — | — | — | 1 | — |
| Scrotum :— | | | | | | | |
| Abscess | 9 | 9 | — | 3 | 4 | 2 | — |
| Gangrene | 17 | 17 | — | 3 | 9 | — | 5 |
| Lymph-scrotum | 1 | 1 | — | — | 1 | — | — |
| Elephantiasis | 7 | 7 | — | 2 | 4 | — | 1 |
| *Under Observation* | 4 | 4 | — | 2 | 2 | — | — |
| *Undiagnosed* | 29 | 19 | 10 | 4 | 17 | 6 | 2 |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **EAR, NOSE, AND THROAT IN-PATIENTS.** | | | | | | | |
| *Diseases of the Ear :—* | | | | | | | |
| Foreign body | 1 | 1 | — | — | 1 | — | — |
| Wax | 1 | 1 | — | 1 | — | — | — |
| Boil | 4 | 3 | 1 | 4 | — | — | — |
| Abscess | 3 | 2 | 1 | 2 | 1 | — | — |
| Tumour | 2 | 2 | — | 1 | — | 1 | — |
| Otitis media | 32 | 23 | 9 | 15 | 13 | 4 | — |
| Acute mastoid | 25 | 10 | 15 | 13 | 8 | 2 | 2 |
| Polyp | 3 | 3 | — | 1 | 2 | — | — |
| *Diseases of the Nose and Accessory Sinuses :—* | | | | | | | |
| Epistaxis | 2 | — | 2 | 2 | — | — | — |
| Boil | 1 | 1 | — | 1 | — | — | — |
| Deflected septum | 1 | 1 | — | — | — | 1 | — |
| Rhinitis | 9 | 5 | 4 | 8 | — | 1 | — |
| Polyp | 9 | 8 | 1 | 7 | — | 2 | — |
| Papilloma | 1 | — | 1 | 1 | — | — | — |
| Gumma | 1 | — | 1 | — | — | 1 | — |
| Adenoids | 1 | — | 1 | 1 | — | — | — |
| Rhinoscleroma | 6 | 4 | 2 | — | 4 | 2 | — |
| Sebacious cyst | 1 | 1 | — | 1 | — | — | — |
| Tumour | 3 | 2 | 1 | 2 | — | 1 | — |
| Granuloma | 1 | — | 1 | 1 | — | — | — |
| Empyema of front. sinus | 1 | 1 | — | 1 | — | — | — |
| *Diseases of the Throat :—* | | | | | | | |
| Tonsilitis | 23 | 16 | 7 | 21 | — | 2 | — |
| Enlarged tonsils | 24 | 15 | 9 | 20 | — | 4 | — |
| Tonsilar abscess | 4 | 4 | — | 4 | — | — | — |
| Retro-pharyn. abscess | 1 | — | 1 | — | — | — | 1 |
| Sarcoma of fauces | 1 | 1 | — | — | — | — | 1 |
| *Diseases of the Larynx :—* | | | | | | | |
| Laryngitis | 2 | 2 | — | — | 2 | — | — |
| Tuberc. laryngitis | 1 | 1 | — | — | 1 | — | — |
| Foreign body | 1 | 1 | — | 1 | — | — | — |
| Œdema | 2 | 2 | — | — | — | — | 2 |
| Obstruction | 2 | 2 | — | — | 1 | — | 1 |
| Papilloma | 3 | 3 | — | — | 1 | 2 | — |
| Carcinoma | 3 | 2 | 1 | — | 1 | 2 | — |
| *Diseases of the Œsophagus :—* | | | | | | | |
| Obstruction | 1 | 1 | — | 1 | — | — | — |
| Foreign body | 3 | — | 3 | 2 | — | — | 1 |
| Stricture | 1 | 1 | — | 1 | — | — | — |
| *Under Observation* | 2 | 2 | — | 1 | 1 | — | — |
| *Undiagnosed* | 6 | 2 | 4 | 4 | — | 1 | 1 |

TABLE XXIII (*continued*).

| | Total. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|
| **GYNÆCOLOGICAL IN-PATIENTS.** | | | | | |
| *Diseases of the Vulva and Vagina :—* | | | | | |
| Abscess of labium | 1 | 1 | — | — | — |
| Vaginal stenosis | 2 | — | 2 | — | — |
| Pendulous labium | 1 | 1 | — | — | — |
| Vaginitis | 1 | — | 1 | — | — |
| Cyst of vagina | 4 | 4 | — | — | — |
| Fibroma | 1 | — | — | 1 | — |
| Granuloma | 1 | 1 | — | — | — |
| Bilharziasis | 6 | 1 | 5 | — | — |
| Elephantiasis | 1 | 1 | — | — | — |
| Epithelioma | 4 | 2 | 1 | 1 | — |
| Cystocele | 8 | 6 | — | 2 | — |
| Rectocele | 5 | 5 | — | — | — |
| Cysto-rectocele | 23 | 19 | 3 | 1 | — |
| Vesico-vaginal fistula | 17 | 7 | 6 | 3 | 1 |
| Recto-vaginal fistula | 6 | 3 | 2 | 1 | — |
| *Diseases of the Uterus :—* | | | | | |
| Body :— | | | | | |
| Dextro-version | 2 | — | 1 | 1 | — |
| Ante-version-flexion | 4 | 2 | 2 | — | — |
| Recto-version-flexion | 25 | 23 | 1 | 1 | — |
| Prolapse | 21 | 17 | 3 | 1 | — |
| Endometritis | 21 | 16 | 2 | 3 | — |
| Pyometra | 1 | — | 1 | — | — |
| Fibro-myoma | 26 | 18 | 4 | 4 | — |
| Cancer of body | 3 | — | — | 2 | 1 |
| Cervix :— | | | | | |
| Hypertrophy | 3 | 3 | — | — | — |
| Cervicitis | 1 | — | — | 1 | — |
| Laceration | 2 | 1 | — | 1 | — |
| Erosion | 3 | 2 | 1 | — | — |
| Stenosis | 8 | 8 | — | — | — |
| Polyp | 5 | 4 | — | 1 | — |
| Cancer | 2 | — | — | 2 | — |
| *Diseases of the Fallopian Tubes :—* | | | | | |
| Salpingo-ovaritis | 31 | 17 | 11 | 3 | — |
| Hydrosalpinx | 1 | — | 1 | — | — |
| Pyosalpinx | 5 | 5 | — | — | — |
| *Diseases of the Ovaries :—* | | | | | |
| Prolapse | 2 | 2 | — | — | — |
| Ovarian cyst | 15 | 10 | — | 5 | — |
| Ovarian dermoid | 2 | 2 | — | — | — |
| Solid ovarian tumour | 2 | 1 | — | 1 | — |
| Malignant ovarian tumour | 3 | 1 | — | 1 | 1 |
| *Diseases of the Pelvic Peritoneum and Cellular Tissue :—* | | | | | |
| Parametritis | 15 | 11 | 2 | 1 | 1 |
| Perimetritis | 11 | 7 | 4 | — | — |
| Abscess of Douglas pouch | 5 | 2 | 1 | 2 | — |
| *Diseases of the Abdominal Wall :—* | | | | | |
| Sinus | 2 | 1 | 1 | — | — |
| *Miscellaneous :—* | | | | | |
| Dysmenorrhœa | 1 | — | 1 | — | — |
| Leucorrhœa | 2 | 1 | 1 | — | — |

TABLE XXIII (*continued*).

| | Total. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|
| **OBSTETRIC IN-PATIENTS.** | | | | | |
| *Normal Pregnancy* ... ... ... ... ... ... ... | 65 | 65 | — | — | — |
| *Abnormal Pregnancy :—* | | | | | |
| Vomiting ... ... ... ... ... ... ... ... | 3 | 2 | — | — | 1 |
| Albuminuria ... ... ... ... ... ... ... | 1 | 1 | — | — | — |
| Eclampsia... ... ... ... ... ... ... ... | 8 | 5 | — | — | 3 |
| Bronchitis... ... ... ... ... ... ... ... | 1 | 1 | — | — | — |
| Aortic and mitral diseases ... ... ... ... | 1 | 1 | — | — | — |
| Hydatidiform mole... ... ... ... ... ... | 1 | 1 | — | — | — |
| Abortion :— | | | | | |
| Complete ... ... ... ... ... ... ... ... | 31 | 31 | — | — | — |
| Threatened ... ... ... ... ... ... ... | 28 | 28 | — | — | — |
| Inevitable... ... ... ... ... ... ... ... | 3 | 3 | — | — | — |
| Incomplete ... ... ... ... ... ... ... | 13 | 13 | — | — | — |
| Placenta prævia ... ... ... ... ... ... | 2 | 1 | — | — | 1 |
| Accidental internal hæmorrh. ... ... ... | 1 | — | — | — | 1 |
| | | | | | 1 |
| *Normal Labour* ... ... ... ... ... ... ... ... | 88 | 87 | — | — | |
| *Abnormal Labour :—* | | | | | |
| Occipito-posterior position ... ... ... ... | 2 | 1 | — | — | 1 |
| Face presentation ... ... ... ... ... ... | 1 | 1 | — | — | — |
| Breech presentation ... ... ... ... ... | 3 | 3 | — | — | — |
| Transverse presentation ... ... ... ... | 7 | 7 | — | — | — |
| Twin ... ... ... ... ... ... ... ... ... | 5 | 5 | — | — | — |
| Premature labour ... ... ... ... ... ... | 8 | 8 | — | — | — |
| Precipitate labour ... ... ... ... ... ... | 1 | 1 | — | — | — |
| Delayed labour ... ... ... ... ... ... | 3 | 2 | — | — | 1 |
| Contracted pelvis ... ... ... ... ... ... | 15 | — | 11 | — | 4 |
| Ruptured uterus ... ... ... ... ... ... | 1 | — | — | — | 1 |
| Retained placenta ... ... ... ... ... ... | 5 | 5 | — | — | — |
| Post-partum hæmorrhage ... ... ... ... | 1 | 1 | — | — | — |
| Forceps delivery ... ... ... ... ... ... | 8 | 8 | — | — | — |
| Perforation ... ... ... ... ... ... ... | 6 | 6 | — | — | — |
| *Puerperium :—* | | | | | |
| Normal ... ... ... ... ... ... ... ... | 6 | 6 | — | — | — |
| Subinvolution ... ... ... ... ... ... ... | 4 | 3 | 1 | — | — |
| Puerperal sepsis ... ... ... ... ... ... | 10 | 6 | 2 | — | 2 |
| Lacerated perineum ... ... ... ... ... | 6 | 4 | — | — | 2 |
| Puerperal insanity ... ... ... ... ... ... | 1 | — | — | 1 | — |
| *Undiagnosed*... ... ... ... ... ... ... ... ... | 9 | 7 | — | 2 | — |
| *Not Pregnant* ... ... ... ... ... ... ... ... | 10 | 10 | — | — | — |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **OPHTHALMIC IN-PATIENTS.** | | | | | | | |
| *Diseases of the Lids :—* | | | | | | | |
| Trichiasis | 465 | 265 | 200 | 425 | 29 | 11 | — |
| Blepharitis | 2 | 1 | 1 | 2 | — | — | — |
| Ectropion | 11 | 7 | 4 | 5 | 6 | — | — |
| Entropion | 56 | 30 | 26 | 30 | 26 | — | — |
| Meibomian cyst | 5 | 4 | 1 | 5 | — | — | — |
| Stye | 2 | 1 | 1 | 1 | — | 1 | — |
| Cellulitis | 1 | 1 | — | — | 1 | — | — |
| Ulcer | 1 | — | 1 | 1 | — | — | — |
| Ptosis | 2 | 1 | 1 | 2 | — | — | — |
| Injury | 1 | 1 | — | 1 | — | — | — |
| Gangrene | 1 | 1 | — | — | 1 | — | — |
| Tumour | 1 | — | 1 | — | — | 1 | — |
| Closed canthus | 1 | 1 | — | 1 | — | — | — |
| *Diseases of the Conjunctiva :—* | | | | | | | |
| Conjunctivitis | 73 | 66 | 7 | 54 | 17 | 2 | — |
| Trachoma | 96 | 65 | 31 | 54 | 42 | — | — |
| Xerosis | 1 | 1 | — | 1 | — | — | — |
| Purulent ophthalmia | 3 | 2 | 1 | 3 | — | — | — |
| Symblepharon | 2 | 2 | — | 2 | — | — | — |
| Amyloid conjunctiva | 1 | 1 | — | — | 1 | — | — |
| Pterygium | 15 | 12 | 3 | 12 | 2 | 1 | — |
| Injury | 2 | 2 | — | 2 | — | — | — |
| *Diseases of the Cornea :—* | | | | | | | |
| Abscess | 1 | — | 1 | — | 1 | — | — |
| Simple ulcer | 143 | 103 | 40 | 84 | 52 | 7 | — |
| Perforating ulcer | 31 | 15 | 16 | 14 | 16 | 1 | — |
| Hypopion ulcer | 9 | 5 | 4 | 4 | 5 | — | — |
| Infiltration | 34 | 29 | 5 | 22 | 9 | 2 | 1 |
| Leucoma adherence | 64 | 40 | 24 | 37 | 22 | 4 | 1 |
| Staphyloma | 33 | 15 | 18 | 11 | 18 | 4 | — |
| Keratitis | 3 | 3 | — | — | 3 | — | 3 |
| Rough cornea | 7 | 7 | — | 2 | 5 | — | — |
| Rupture | 6 | 5 | 1 | 2 | 2 | 2 | — |
| *Diseases of the Lachrymal Apparatus :—* | | | | | | | |
| Dæro-cystitis | 14 | 4 | 10 | 9 | 4 | 1 | — |
| Lachrymal abscess | 1 | — | 1 | — | 1 | — | — |
| Lachrymal fistula | 8 | 3 | 5 | 2 | 5 | 1 | — |
| Mucocele | 2 | 2 | — | 2 | — | — | — |
| *Diseases of the Lens :—* | | | | | | | |
| Cataract | 127 | 59 | 68 | 74 | 30 | 22 | 1 |
| Dislocation | 2 | 2 | — | 2 | — | — | — |
| *Diseases of the uveal Tract :—* | | | | | | | |
| Choroiditis | 1 | — | 1 | — | — | 1 | — |
| Iritis | 12 | 12 | — | 2 | 10 | — | — |
| Closed pupil | 2 | — | 2 | 1 | — | 1 | — |
| Membranous pupil | 1 | 1 | — | 1 | — | — | — |
| *Diseases of the Globe :—* | | | | | | | |
| Panophthalmitis | 19 | 11 | 8 | 5 | 14 | — | — |
| Glaucoma | 79 | 51 | 28 | 37 | 30 | 12 | — |
| Proptosis | 2 | 2 | — | — | 2 | — | — |
| Rupture | 4 | 4 | — | — | 1 | 3 | — |
| Shrunken globe | 4 | 4 | — | 3 | — | 1 | — |
| Tumour | 1 | 1 | — | — | — | 1 | — |
| *Diseases of the Retina :—* | | | | | | | |
| Retinitis | 4 | 4 | — | — | — | 4 | — |
| Hæmorrhage | 1 | 1 | — | — | 1 | — | — |
| *Diseases of the Optic Nerve :—* | | | | | | | |
| Optic neuritis | 3 | 3 | — | — | — | 3 | — |
| Optic atrophy | 6 | 6 | — | — | — | 6 | — |

TABLE XXIII (*continued*).

| | Total. | Males. | Females. | Cured. | Relieved. | Unrelieved. | Died. |
|---|---|---|---|---|---|---|---|
| **OPHTHALMIC IN-PATIENTS (*continued*).** | | | | | | | |
| *Diseases of the Eye Muscles :—* | | | | | | | |
| Squint | 3 | 1 | 2 | 1 | — | 2 | — |
| *Diseases of the Orbit :—* | | | | | | | |
| Cellulitis | 1 | — | 1 | — | — | 1 | — |
| Tumour | 7 | 4 | 3 | 5 | 2 | — | — |
| *Miscellaneous :—* | | | | | | | |
| Insect bite | 1 | 1 | — | 1 | — | — | — |
| *Undiagnosed* | 3 | 2 | 1 | 2 | 1 | — | — |
| **SKIN AND VENEREAL IN-PATIENTS.** | | | | | | | |
| *Diseases of the Skin :—* | | | | | | | |
| Acne | 2 | 2 | — | 1 | 1 | — | — |
| Auto-intoxication | 1 | 1 | — | 1 | — | — | — |
| Dermatitis | 14 | 9 | 5 | 8 | 5 | 1 | — |
| Dysiderosis | 2 | 2 | — | 1 | 1 | — | — |
| Eczema | 36 | 27 | 9 | 4 | 28 | 4 | — |
| Erythema multiforme | 4 | 3 | 1 | 2 | 1 | 1 | — |
| Favus | 17 | 12 | 5 | 6 | 7 | 4 | — |
| Granuloma | 2 | — | 2 | 1 | — | 1 | — |
| Ichthyosis | 1 | 1 | — | 1 | — | — | — |
| Impetigo | 7 | 7 | — | 2 | 5 | — | — |
| Keloid | 1 | 1 | — | — | 1 | — | — |
| Leprosy | 6 | 6 | — | — | — | 6 | — |
| Lichen planus | 2 | 2 | — | — | 2 | — | — |
| Lupus erythematosis | 3 | 2 | 1 | 1 | 1 | 1 | — |
| Lupus vulgaris | 8 | 4 | 4 | — | 8 | — | — |
| Oriental sore | 2 | 1 | 1 | — | 2 | — | — |
| Pediculosis | 2 | 1 | 1 | 2 | — | — | — |
| Pemphigue | 3 | 2 | 1 | — | 1 | 2 | — |
| Ptyriasis | 8 | 6 | 2 | 2 | 5 | 1 | — |
| Prurigo | 11 | 7 | 4 | 3 | 8 | — | — |
| Psoriasis | 6 | 4 | 2 | 1 | 5 | — | — |
| Pyoderma | 29 | 28 | 1 | 15 | 14 | — | — |
| Ringworm | 1 | 1 | — | 1 | — | — | — |
| Rodent ulcer | 2 | 2 | — | — | 1 | 1 | — |
| Scabies | 126 | 111 | 15 | 105 | 18 | 3 | — |
| Scleroderma | 3 | 2 | 1 | — | 2 | 1 | — |
| Seborrhœa | 5 | 5 | — | — | 5 | — | — |
| Sycosis | 6 | 6 | — | 5 | 1 | — | — |
| Urticaria | 3 | 3 | — | 2 | 1 | — | — |
| Undiagnosed | 5 | 3 | 2 | 3 | 2 | — | — |
| *Venereal Diseases :—* | | | | | | | |
| Gonorrhœa | 62 | 45 | 17 | 28 | 25 | 9 | — |
| Syphilis | 344 | 255 | 89 | — | 268 | 74 | 2 |
| Soft sore | 9 | 9 | — | 4 | 3 | 2 | — |
| **ANTIRABIC IN-PATIENTS.** | | | | | | | |
| Dog bites | 1,144 | 818 | 326 | 1,144 | — | — | — |
| Camel bites | 21 | 20 | 1 | 20 | — | — | 1 |
| Cat bites | 6 | 4 | 2 | 6 | — | — | — |
| Donkey bites | 6 | 5 | 1 | 6 | — | — | — |
| Human bites | 7 | 3 | 4 | 7 | — | — | — |
| Horse bites | 17 | 14 | 3 | 16 | — | — | 1 |
| Monkey bites | 2 | 1 | 1 | 2 | — | — | — |
| Mule bites | 3 | 3 | — | 3 | — | — | — |
| Pig bites | 2 | 2 | — | 2 | — | — | — |
| Wolf bites | 46 | 42 | 4 | 46 | — | — | — |
| Hydrophobia | 7 | 5 | 2 | — | — | — | 7 |

## *Operations.*

The following table shows the number of operations performed in the various theatres and the anaesthetic used :—

| Theatre. | Anæsthetic. | | | |
|---|---|---|---|---|
| | Total. | General. | Spinal. | Local. |
| General surgical ... ... ... ... ... ... ... ... ... | 1,407 | 796 | 597 | 12 |
| Ear, nose, and throat ... ... ... ... ... ... ... | 165 | 164 | — | 1 |
| Gynæcological ... ... ... ... ... ... ... ... ... | 157 | 36 | 121 | — |
| Obstetric ... ... ... ... ... ... ... ... ... ... | 70 | 70 | — | — |
| Ophthalmic ... ... ... ... ... ... ... ... ... ... | 1,164 | 241 | — | 923 |
| Wards out-patients and reception-room ... ... ... | 2,076 | 1,729 | — | 347 |
| Total ... ... | 5,039 | 3,036 | 718 | 1,283 |

In two of the operations no anæsthetic was administered.

Table XXIV.

Operations performed in the General Surgical Theatres.

| | Total. | Males. | Females. | Anæsthetic. General. | Spinal. | Local. |
|---|---|---|---|---|---|---|
| *Excision of Tumours and Cysts :—* | | | | | | |
| Simple :— | | | | | | |
| Lipoma ... ... ... ... ... ... ... ... ... ... | 7 | 4 | 3 | 6 | 1 | — |
| Fibroma ... ... ... ... ... ... ... ... ... ... | 6 | 3 | 3 | 5 | 1 | — |
| Myoloma... ... ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Angioma ... ... ... ... ... ... ... ... ... ... | 2 | — | 2 | 2 | — | — |
| Osteoma ... ... ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Papilloma ... ... ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Malignant :— | | | | | | |
| Carcinoma :— | | | | | | |
| Lid ... ... ... ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Lip ... ... ... ... ... ... ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| Scalp ... ... ... ... ... ... ... ... ... ... | 2 | 2 | — | 2 | — | — |
| Abdominal wall ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Skin... ... ... ... ... ... ... ... ... ... ... | 5 | 2 | 3 | 4 | 1 | — |
| Tongue ... ... ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Breast ... ... ... ... ... ... ... ... ... ... | 7 | — | 7 | 7 | — | — |
| Rectum ... ... ... ... ... ... ... ... ... ... | 1 | 1 | — | — | 1 | — |
| Cæcum ... ... ... ... ... ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| Sarcoma :— | | | | | | |
| Jaw ... ... ... ... ... ... ... ... ... ... ... | 8 | 6 | 2 | 8 | — | — |
| Orbit ... ... ... ... ... ... ... ... ... ... | 3 | 2 | 1 | 3 | — | — |
| Buttock ... ... ... ... ... ... ... ... ... ... | 3 | 2 | 1 | 3 | — | — |
| Lymphosarcoma ... ... ... ... ... ... ... ... | 5 | 5 | — | 4 | 1 | — |
| Myosarcoma ... ... ... ... ... ... ... ... ... | 2 | 2 | — | — | 2 | — |
| Endothelioma ... ... ... ... ... ... ... ... ... | 3 | 1 | 2 | 3 | — | — |
| Rodent ulcer ... ... ... ... ... ... ... ... ... | 7 | 5 | 2 | 7 | — | — |
| Cysts :— | | | | | | |
| Retention ... ... ... ... ... ... ... ... ... | 3 | 2 | 1 | 3 | — | — |
| Ranula ... ... ... ... ... ... ... ... ... ... | 5 | 5 | — | 5 | — | — |
| Diagnostic excision ... ... ... ... ... ... ... | 1 | 1 | — | — | 1 | — |

TABLE XXIV (*continued*).

| | Total. | Males. | Females. | Anæsthetic. General. | Anæsthetic. Spinal. | Anæsthetic. Local. |
|---|---|---|---|---|---|---|
| **OPERATIONS PERFORMED IN THE GENERAL SURGICAL THEATRES—(*continued*).** | | | | | | |
| *Amputations :—* | | | | | | |
| For crush :— | | | | | | |
| Thigh | 2 | 2 | — | 2 | — | — |
| Leg | 9 | 8 | 1 | 9 | — | — |
| Foot | 2 | 2 | — | 2 | — | — |
| Toe | 1 | 1 | — | 1 | — | — |
| For gangrene :— | | | | | | |
| Hand | 1 | 1 | — | 1 | — | — |
| Finger | 1 | 1 | — | 1 | — | — |
| Thigh | 2 | 2 | — | — | 2 | — |
| Foot | 2 | 2 | — | — | 2 | — |
| Toe | 1 | 1 | — | — | 1 | — |
| For tuberculosis :— | | | | | | |
| Knee | 2 | 2 | — | 2 | — | — |
| For sarcoma | 3 | 2 | 1 | 2 | 1 | — |
| Reamputation | 2 | 1 | 1 | 1 | 1 | — |
| *Operations on the Skin and Subcutaneous Tissues :—* | | | | | | |
| Erasion of sinus | 15 | 13 | 2 | 12 | 3 | — |
| Excision for elephantiasis | 7 | 6 | 1 | 2 | 5 | — |
| Incision for abscess | 37 | 30 | 7 | 31 | 5 | 1 |
| Removal of foreign body | 45 | 39 | 6 | 42 | 3 | — |
| Suture of wounds | 7 | 5 | 2 | 6 | 1 | — |
| Excision for keloid | 1 | — | 1 | 1 | — | — |
| Excision for granuloma | 1 | 1 | — | 1 | — | — |
| Excision for oriental sore | 3 | 3 | — | 2 | — | 1 |
| *Operations on Bones :—* | | | | | | |
| Excision :— | | | | | | |
| Ribs | 13 | 11 | 2 | 12 | — | 1 |
| Sternum | 3 | 1 | 2 | 3 | — | — |
| Lower jaw | 1 | 1 | — | 1 | — | — |
| Humerus | 3 | 3 | — | 3 | — | — |
| Erasion :— | | | | | | |
| Upper jaw | 1 | — | 1 | 1 | — | — |
| Metacarpus | 3 | 2 | 1 | 3 | — | — |
| Femur | 1 | 1 | — | 1 | — | — |
| Sequestrectomy :— | | | | | | |
| Frontal bone | 1 | 1 | — | 1 | — | — |
| Lower jaw | 7 | 4 | 3 | 7 | — | — |
| Humerus | 8 | 7 | 1 | 8 | — | — |
| Femur | 14 | 12 | 2 | 9 | 5 | — |
| Tibia | 11 | 9 | 2 | 10 | 1 | — |
| Tarsus | 2 | 2 | — | — | 2 | — |
| Osteotomy | 7 | 5 | 2 | 6 | 1 | — |
| Screwing | 1 | 1 | — | 1 | — | — |
| Wiring :— | | | | | | |
| Clavicle | 1 | 1 | — | 1 | — | — |
| Humerus | 1 | 1 | — | 1 | — | — |
| Radius and ulna | 1 | 1 | — | 1 | — | — |
| Pelvis | 1 | — | 1 | 1 | — | — |
| Patella | 2 | 2 | — | 1 | 1 | — |
| Tibia | 2 | 2 | — | 2 | — | — |
| Fibula | 2 | 2 | — | 1 | 1 | — |

TABLE XXIV—(*continued*).

| | Total. | Males. | Females. | ANÆSTHETIC. General. | Spinal. | Local. |
|---|---|---|---|---|---|---|
| **OPERATIONS PERFORMED IN THE GENERAL SURGICAL THEATRES (*continued*).** | | | | | | |
| Plating :— | | | | | | |
| Radius and ulna | 1 | 1 | — | 1 | — | — |
| Tibia | 2 | 2 | — | 1 | 1 | — |
| Femur | 3 | 1 | 2 | 2 | 1 | — |
| Setting | 10 | 8 | 2 | 9 | 1 | — |
| Trephining :— | | | | | | |
| For depressed fracture | 83 | 76 | 7 | * 83 | — | — |
| For gunshot wound | 1 | 1 | — | 1 | — | — |
| For traumatic hemiplegia | 3 | 3 | — | 3 | — | — |
| For cerebral tumour | 1 | — | 1 | 1 | — | — |
| Laminectomy | 1 | 1 | — | 1 | — | — |
| *Operations on Joints :—* | | | | | | |
| Excision :— | | | | | | |
| Shoulder | 1 | 1 | — | 1 | — | — |
| Elbow | 2 | 2 | — | 2 | — | — |
| Wrist | 1 | 1 | — | 1 | — | — |
| Hip | 1 | — | 1 | 1 | — | — |
| Knee | 2 | 2 | — | 2 | — | — |
| Ankle | 1 | — | 1 | 1 | — | — |
| Erasion :— | | | | | | |
| For tub. elbow | 1 | — | 1 | 1 | — | — |
| Arthrotomy :— | | | | | | |
| For suppurative arthritis | 6 | 3 | 3 | 6 | — | — |
| For loose cartilage | 1 | 1 | — | — | 1 | — |
| Aspiration :— | | | | | | |
| Shoulder | 1 | — | 1 | 1 | — | — |
| Knee | 1 | 1 | — | — | 1 | — |
| Reduction of dislocation | 7 | 2 | 5 | 7 | — | — |
| Movement for ankylosis | 3 | 2 | 1 | 3 | — | — |
| Removal of Baker cyst | 1 | 1 | — | — | 1 | — |
| Removal of bursa | 1 | 1 | — | 1 | — | — |
| Examination under anæsthet. | 1 | 1 | — | 1 | — | — |
| *Plastic Operations :—* | | | | | | |
| Harelip | 4 | 3 | 1 | 4 | — | — |
| Ectopia vesicæ | 1 | 1 | — | 1 | — | — |
| Spina bifida | 1 | — | 1 | 1 | — | — |
| Contracted scar | 4 | 2 | 2 | 4 | — | — |
| Tenotomy for talipes | 7 | 4 | 3 | 6 | — | 1 |
| Stitching of cut tendons | 2 | 2 | — | 2 | — | — |
| Osteotomy for talipes | 1 | — | 1 | 1 | — | — |
| Skin grafting | 16 | 11 | 5 | 16 | — | — |
| For hypospadias | 4 | 4 | — | 4 | — | — |
| Repair of scrotum | 4 | 4 | — | 1 | 3 | — |
| For tanglion | 1 | 1 | — | 1 | — | — |
| *Operations on the Respiratory Tract :—* | | | | | | |
| Tracheotomy | 2 | 2 | — | 1 | — | 1 |
| For Empyema :— | | | | | | |
| Resection of rib | 10 | 9 | 1 | 10 | — | — |
| Aspiration | * 3 | 2 | 1 | 1 | — | 1 |

* No anæsthetic was administered in one case.

TABLE XXIV (*continued*).

| | Total. | Males. | Females. | Anæsthetic. General. | Anæsthetic. Spinal. | Anæsthetic. Local. |
|---|---|---|---|---|---|---|
| **OPERATIONS PERFORMED IN THE GENERAL SURGICAL THEATRES (*continued*).** | | | | | | |
| *Abdominal Operations :—* | | | | | | |
| Exploratory Laparotomy | 31 | 23 | 8 | 29 | 2 | — |
| Laparotomy for :— | | | | | | |
| Internal hæmorrhage | 5 | 4 | 1 | 5 | — | — |
| Septic peritonitis | 6 | 6 | — | 5 | — | 1 |
| Tuberc. peritonitis | 2 | 2 | — | 2 | — | — |
| Ruptured stomach | 1 | 1 | — | 1 | — | — |
| Ruptured cæcum | 1 | 1 | — | 1 | — | — |
| Cancer of liver | 2 | 1 | 1 | 2 | — | — |
| Bilharz. of colon | 2 | — | 2 | 2 | — | — |
| Bilharz. of sigmoid | 1 | 1 | — | 1 | — | — |
| Perforating typhoid ulcer | 1 | 1 | — | 1 | — | — |
| Subdiaphragmatic abscess | 1 | 1 | — | 1 | — | — |
| Ascites | 1 | 1 | — | 1 | — | — |
| Ruptured liver | 1 | 1 | — | 1 | — | — |
| Perforating wound of abdomen | 5 | 4 | 1 | 5 | — | — |
| Extra-peritoneal rupture of bladder | 3 | 3 | — | 3 | — | — |
| Intra-peritoneal rupture of bladder | 1 | 1 | — | 1 | — | — |
| Intestinal obstruction | 3 | 3 | — | 3 | — | — |
| Volvulus : untwisting | 3 | 2 | 1 | 3 | — | — |
| Mesenteric cyst | 1 | 1 | — | 1 | — | — |
| Resection of Intestine :— | | | | | | |
| For intussusception | 2 | 2 | — | 2 | — | — |
| For rupture | 6 | 6 | — | 6 | — | — |
| Evacuation of abscess | 1 | 1 | — | 1 | — | — |
| Incision of appendix abscess | 8 | 7 | 1 | 7 | 1 | — |
| Appendicectomy | 16 | 14 | 2 | 16 | — | — |
| Gastro-enterostomy | 1 | 1 | — | 1 | — | — |
| Drainage of liver abscess | 5 | 5 | — | 5 | — | — |
| Aspiration of liver abscess | 1 | 1 | — | 1 | — | — |
| Splenectomy :— | | | | | | |
| For ruptured spleen | 2 | 2 | — | 2 | — | — |
| For splenomegaly | 18 | 11 | 7 | 18 | — | — |
| Ovariectomy | 2 | — | 2 | 2 | — | — |
| Cholecystotomy | 1 | 1 | — | 1 | — | — |
| Partial gastrectomy | 1 | 1 | — | 1 | — | — |
| Exploration of abdominal wall | 2 | 2 | — | 2 | — | — |
| *Operations for Hernia :—* | | | | | | |
| Radical cure of inguinal hernia | 232 | 230 | 2 | 40 | 192 | — |
| Radical cure of femoral hernia | 1 | 1 | — | 1 | — | — |
| For umbilical hernia | 1 | 1 | — | 1 | — | — |
| For ventral hernia | 9 | 3 | 6 | 8 | 1 | — |
| For strangulated hernia | 32 | 32 | — | 6 | 26 | — |
| *Operations on the Rectum :—* | | | | | | |
| For piles :— | | | | | | |
| Ligature | 43 | 42 | 1 | 7 | 36 | — |
| Whitehead | 18 | 17 | 1 | 4 | 14 | — |
| For prolapse | 7 | 7 | — | 2 | 5 | — |
| Excision of bilharz. mass | 1 | 1 | — | — | 1 | — |
| For fistula | 6 | 6 | — | — | 6 | — |
| For anal fissure | 2 | 2 | — | — | 2 | — |
| Excision of polyp. | 1 | 1 | — | 1 | — | — |
| For imporferate anus | 6 | 5 | 1 | 6 | — | — |
| Incision of ischio-rectal abscess | 3 | 3 | — | 2 | 1 | — |

TABLE XXIV (*continued*).

| | Total. | Males. | Females. | Anæsthetic. General. | Anæsthetic. Spinal. | Anæsthetic. Local. |
|---|---|---|---|---|---|---|
| **OPERATIONS PERFORMED IN THE GENERAL SURGICAL THEATRES (*continued*).** | | | | | | |
| *Operations on the Genito-Urinary Organs :—* | | | | | | |
| Kidneys :— | | | | | | |
| Nephrectomy :— | | | | | | |
| For renal calculus | 1 | — | 1 | 1 | — | — |
| For ruptured kidney | 9 | 8 | 1 | 9 | — | — |
| Nephrotomy :— | | | | | | |
| For renal calculus | 3 | 3 | — | 3 | — | — |
| For hydronephrosis | 3 | 3 | — | 3 | — | — |
| For pyonephrosis | 3 | — | 3 | 3 | — | — |
| For perinephric abscess | 3 | 3 | — | 3 | — | — |
| Nephropexy :— | | | | | | |
| Bladder :— | | | | | | |
| Lithotrity | 35 | 33 | 2 | 2 | 33 | — |
| Suprapubic cystotomy :— | | | | | | |
| For vesical calculus | 25 | 25 | — | 12 | 13 | — |
| For piece of catheter | 1 | 1 | — | — | 1 | — |
| For cancer of bladder | 1 | 1 | — | — | 1 | — |
| For extravasation of urine | 2 | 2 | — | 2 | — | — |
| For bilharziasis | 3 | 3 | — | 1 | 2 | — |
| Perineal cystotomy :— | | | | | | |
| For vesical calculus | 4 | 4 | — | — | 4 | — |
| Prostate :— | | | | | | |
| Prostatectomy : suprapubic | 11 | 11 | — | — | 10 | 1 |
| Urethra :— | | | | | | |
| External urethrotomy | 4 | 4 | — | 4 | — | — |
| Extraction of stone | 7 | 7 | — | 5 | 2 | — |
| Excision of urinary fist. | 40 | 40 | — | 3 | 37 | — |
| Penis :— | | | | | | |
| Excision of bilharz. mass | 1 | 1 | — | — | 1 | — |
| Decortication for elephant. | 1 | 1 | — | — | 1 | — |
| Scrotum :— | | | | | | |
| Excision of skin for elephant. | 6 | 6 | — | — | 6 | — |
| Excision of skin for gangrene | 1 | 1 | — | — | 1 | — |
| Incision for abscess | 2 | 2 | — | 1 | 1 | — |
| Spermatic cord :— | | | | | | |
| Varicocele | 12 | 12 | — | — | 12 | — |
| Funiculitis | 16 | 16 | — | 1 | 15 | — |
| Hydrocele of cord | 2 | 2 | — | — | 2 | — |
| Hæmatoma of cord | 1 | 1 | — | — | 1 | — |
| Testis :— | | | | | | |
| Hydrocele | 106 | 106 | — | 6 | 100 | — |
| Hæmatocele | 5 | 5 | — | — | 5 | — |
| Epididymectomy | 4 | 4 | — | — | 4 | — |
| Orchidectomy | 2 | 2 | — | — | 2 | — |
| Labium :— | | | | | | |
| Excision of bilharz. mass | 2 | — | 2 | 2 | — | — |
| Cystoscopy | 1 | 1 | — | — | 1 | — |
| Catheterization of ureter | 1 | — | 1 | 1 | — | — |

TABLE XXIV (*continued*).

| | Total. | Males. | Females. | Anæsthetic. General. | Spinal. | Local. |
|---|---|---|---|---|---|---|
| **OPERATIONS PERFORMED IN THE GENERAL SURGICAL THEATRES (*continued*).** | | | | | | |
| *Operations on the Lymphatic System :—* | | | | | | |
| Excision of tuberc. glands... ... ... ... ... ... | 39 | 14 | 25 | 39 | — | — |
| Excision for lymphadenoma ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Excision of gland for exam. ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| Lymphangioplasty ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| *Operations on Nerves :—* | | | | | | |
| Suture of cut nerve ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| *Operations on Arteries :—* | | | | | | |
| Ligature of carotid artery ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| *Operations on the Thyroid Gland :—* | | | | | | |
| Thyroidectomy :— | | | | | | |
| For goitre ... ... ... ... ... ... ... ... ... | 20 | 3 | 17 | 20 | — | — |
| For exophthalmic goitre ... ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| *Operations on the Ear and Throat :—* | | | | | | |
| For acute mastoid ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Tonsillectomy ... ... ... ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| **OPERATIONS PERFORMED IN THE EAR, NOSE, AND THROAT THEATRE.** | | | | | | |
| *Operations on the Ear :—* | | | | | | |
| Removal of foreign body ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Removal of polyp. ... ... ... ... ... ... ... | 5 | 4 | 1 | 5 | — | — |
| Excision of tumour ... ... ... ... ... ... ... | 2 | 2 | — | 2 | — | — |
| Scraping ... ... ... ... ... ... ... ... ... | 2 | 2 | — | 2 | — | — |
| For acute mastoid ... ... ... ... ... ... ... | 30 | 19 | 11 | 30 | — | — |
| Trephining for temporo-sphenoidal abscess ... ... | 1 | — | 1 | 1 | — | — |
| *Operations on the Nose and Accessory Sinuses :—* | | | | | | |
| Scraping :— | | | | | | |
| For hypertrophic rhinitis ... ... ... ... ... ... | 5 | 1 | 4 | 5 | — | — |
| For lachrymal fistula ... ... ... ... ... ... ... | 3 | 1 | 2 | 3 | — | — |
| Dacrocystectomy ... ... ... ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| Drainage of frontal sinus ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Removal of polyp ... ... ... ... ... ... ... | 7 | 5 | 2 | 7 | — | — |
| Removal of maxillary polyp ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| Removal of sebacious cyst ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| Excision of tumour of nose ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| Excision of granuloma ... ... ... ... ... ... | 1 | — | 1 | 1 | — | — |
| Excision of turbinate bone ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| *Operations on the Throat :—* | | | | | | |
| Tonsillectomy and curettage of adenoids ... ... | 89 | 41 | 48 | 88 | — | 1 |
| Incision of retro-pharyngeal abscess ... ... ... | 1 | 1 | — | 1 | — | — |
| Excision of tumour of soft palate ... ... ... ... | 1 | — | 1 | 1 | — | — |
| *Operations on the Larynx and Trachea :—* | | | | | | |
| Tracheatomy ... ... ... ... ... ... ... ... | 4 | 4 | — | 4 | — | — |
| Examination of larynx ... ... ... ... ... ... | 5 | 5 | — | 5 | — | — |
| Thyrotomy for foreign body ... ... ... ... ... | 1 | 1 | — | 1 | — | — |
| *Operations on the Œsophagus :—* | | | | | | |
| Œsophagoscopy ... ... ... ... ... ... ... ... | 1 | 1 | — | 1 | — | — |

TABLE XXIV (*continued*).

| | Total. | Anæsthetic. | | |
|---|---|---|---|---|
| | | General | Spinal. | Local. |
| **Operations performed in the Gynæcological Theatre.** | | | | |
| *Intra-abdominal Operations :—* | | | | |
| Laparotomy :— | | | | |
| For tubercular peritonitis | 1 | — | 1 | — |
| For breaking uterine adhesions | 1 | — | 1 | — |
| Cæserian section | 8 | 8 | — | — |
| Hysterectomy :— | | | | |
| Total | 2 | — | 2 | — |
| Partial | 17 | 8 | 9 | — |
| Ventral suspension | 22 | 4 | 18 | — |
| Myomectomy | 5 | 1 | 4 | — |
| Salpingo-ovarectomy | 7 | 3 | 4 | — |
| Ovarectomy | 13 | 5 | 8 | — |
| Excision of parovarian cyst | 1 | 1 | — | — |
| Appendicectomy | 1 | 1 | — | — |
| For ventral hernia | 2 | 1 | 1 | — |
| *Extra-abdominal Operations :—* | | | | |
| Alexander Adam's | 5 | — | 5 | — |
| Ripping for suppuration in abdominal wall | 1 | 1 | — | — |
| *Vaginal Operations :—* | | | | |
| Examination | 1 | — | 1 | — |
| Anterior colporrhaphy | 2 | — | 2 | — |
| Anterior and posterior colporrhaphy | 23 | — | 23 | — |
| Colpo-perineorrhaphy | 15 | — | 15 | — |
| For vesico-vaginal fistula | 15 | 1 | 14 | — |
| For recto-vaginal fistula | 4 | 1 | 3 | — |
| Excision :— | | | | |
| Bilharzial mass | 4 | — | 4 | — |
| Elephantiasis of labia | 3 | 1 | 2 | — |
| Pendulous labium | 1 | — | 1 | — |
| Cyst of clitoris | 1 | — | 1 | — |
| Urethral prolapse | 1 | — | 1 | — |
| Urethral ulcer | 1 | — | 1 | — |
| **Operations performed in the Obstetric Theatre.** | | | | |
| Forceps | 21 | 21 | — | — |
| Perforation | 21 | 21 | — | — |
| Decapitation | 2 | 2 | — | — |
| Evisceration | 1 | 1 | — | — |
| Version | 12 | 12 | — | — |
| Manual removal of placenta | 4 | 4 | — | — |
| Curettage | 4 | 4 | — | — |
| Evacuation of hydatidiform mole | 1 | 1 | — | — |
| Perineorrhaphy | 2 | 2 | — | — |
| Incisions | 2 | 2 | — | — |

TABLE XXIV (*continued*).

| | Total. | Males. | Females. | Anæsthetic. General. | Anæsthetic. Local. |
|---|---|---|---|---|---|
| **OPERATIONS PERFORMED IN THE OPHTHALMIC THEATRE (*continued*).** | | | | | |
| *Operations on the Lids :—* | | | | | |
| For trachoma :— | | | | | |
| Expression | 114 | 66 | 48 | 27 | 87 |
| Excision of cartilage | 9 | 6 | 3 | 4 | 5 |
| For Trichiasis :— | | | | | |
| Snellen's | 470 | 281 | 189 | 23 | 447 |
| Van Millingen's | 59 | 30 | 29 | 5 | 54 |
| Epilation | 1 | 1 | — | — | 1 |
| For Ectropion :— | | | | | |
| Snellen's | 11 | 10 | 1 | — | 11 |
| Cauterization | 1 | — | 1 | — | 3 |
| Excision of cartilage | 3 | 3 | — | — | 1 |
| For Entropion :— | | | | | |
| Van Millingen's | 10 | 5 | 5 | 4 | 6 |
| Removal of skin | 1 | 1 | — | — | 1 |
| Excision of cartilage | 3 | 2 | 1 | — | 3 |
| Snellen's | 29 | 17 | 12 | 7 | 22 |
| Canthoplasty | 11 | 11 | — | 5 | 6 |
| For symblepharon | 2 | 2 | — | — | 2 |
| For meibomian cyst | 10 | 7 | 3 | 1 | 9 |
| For sebacious cyst | 1 | 1 | — | — | 1 |
| For ptosis | 3 | 2 | 1 | 2 | 1 |
| Excision of granuloma | 2 | 1 | 1 | 2 | — |
| *Operations on the Cornea :—* | | | | | |
| Inversion of pterygium | 10 | 7 | 3 | — | 10 |
| Excision of pterygium | 5 | 4 | 1 | — | 5 |
| Staphylectomy | 4 | 2 | 2 | 4 | — |
| Removal of foreign body | 1 | 1 | — | 1 | — |
| Paracentesis | 2 | 2 | — | 2 | — |
| Scraping | 17 | 9 | 8 | 2 | 15 |
| Cauterization | 8 | 7 | 1 | 5 | 3 |
| *Operations on the Lachrymal Apparatus :—* | | | | | |
| Drainage | 7 | 3 | 4 | 1 | 6 |
| Scraping | 4 | 2 | 2 | 4 | — |
| Splitting of canaliculus | 3 | 1 | 2 | 1 | 2 |
| Excision of lachrymal sac | 6 | — | 6 | 4 | 2 |
| *Operations on the Lens :—* | | | | | |
| Cataract extraction | 105 | 57 | 48 | 9 | 96 |
| Needling | 22 | 9 | 13 | 9 | 13 |
| Curette evacuation | 9 | 5 | 4 | 6 | 3 |
| Extraction for dislocation | 1 | 1 | — | 1 | — |
| *Operations on the Iris :—* | | | | | |
| Iridectomy for :— | | | | | |
| Leucoma adherens | 51 | 37 | 14 | 22 | 51 |
| Perforating corneal ulcer | 18 | 7 | 11 | 8 | 12 |
| Prolapse of iris | 11 | 6 | 5 | 7 | 32 |
| Glaucoma | 17 | 6 | 11 | 5 | 2 |
| Iritis | 4 | 3 | 1 | 1 | 9 |
| Closed pupil | 3 | 2 | 1 | 1 | 4 |
| Cataract | 5 | 2 | 3 | — | 1 |
| Keratitis | 1 | — | 1 | — | 0 |
| Dislocated lens | 1 | 1 | — | 1 | — |

TABLE XXIV (*continued*).

| | Total. | Males. | Females. | Anæsthetic. General. | Anæsthetic. Local. |
|---|---|---|---|---|---|
| **OPERATIONS PERFORMED IN THE OPHTHALMIC THEATRE (*continued*).** | | | | | |
| *Operations on the Globe :—* | | | | | |
| Trephining for glaucoma | 44 | 36 | 6 | 3 | 41 |
| Evisceration for panophthalmitis | 24 | 18 | 8 | 24 | — |
| Enucleation for :— | | | | | |
| Staphyloma | 19 | 10 | 9 | 19 | — |
| Shrunken eye | 4 | 2 | 2 | 4 | — |
| Glaucoma | 4 | 2 | 2 | 4 | — |
| Ruptured globe | 8 | 5 | 3 | 8 | — |
| *Operations on the Eye-Muscles :—* | | | | | |
| Tenotomy | 2 | — | 2 | — | 1 |
| *Operations on the Orbit :—* | | | | — | |
| For orbital tumour | 3 | 1 | 2 | 3 | — |
| Scraping of frontal sinus | 1 | 1 | — | 1 | — |

*Foundlings.*

214 foundings were present in the home during the year 1921. Of these 80 were carried over from the year 1920 and 134 admitted during the year 1921. 109 died and 14 were adopted during the year. 91 were carried over to the year 1922.

The following is an analysis of the causes of death of the 109 cases :—

| | | | |
|---|---|---|---|
| *Gastro-intestinal Diseases :—* | | Erysipelas | 1 |
| Gastro-enteritis | 14 | Influenza | 7 |
| Enteritis | 9 | Acute cervical adenitis | 3 |
| Enterocolitis | 5 | Congenital syphilis | 2 |
| *Diseases of Nutrition :—* | | *Varia :—* | |
| Marasmus | 18 | Prematurity | 4 |
| *Pulmonary Diseases :—* | | Exposure and collapse | 5 |
| Pneumonias | 15 | Hæmorrhage neonatorum | 4 |
| Bronchitis | 8 | Pyelitis | 1 |
| *Specific Infectious Diseases :—* | | Status lymphaticus | 1 |
| Whooping cough | 3 | Pyæmia | 5 |
| Chicken pox | 1 | Inanition | 1 |
| | | Septicæmia | 2 |
| | | TOTAL | 109 |

## REPORT ON THE WORK OF ALEXANDRIA GOVERNMENT HOSPITAL.

8,260 patients were admitted to the hospital during the year : 6,575 males and 1,685 females. This is a decrease of 474 cases compared with the number of admissions during 1920. With the addition of 288 cases (remaining at the end of 1920) to the total number of admissions, we get a total of 8,548 in-patients.

In great contrast with the diminution of the admissions, there was an enormous increase in the number of out-patients as shown by the following table :—

| | 1920. | 1921. |
|---|---|---|
| New cases that attended at the Out-patients Departments during the year, admissions not included | 24,038 | 39,354 |
| Old cases that attended at the Out-patients during the year | 41,296 | 85,440 |
| | 65,334 | 124,794 |
| Admissions | 8,734 | 8,260 |
| GRAND TOTAL | 74,068 | 133,054 |

This means that while the admissions were 474 cases less than 1920, the out-patients attendances were nearly doubled.

The number of beds in this hospital is at present too small for the City of Alexandria and the environs and, had it been possible to accommodate more cases, the admissions would have shown a big increase.

Some other factors take part in the causation of the diminution :—

(*a*) The outbreak of infectious diseases was distinctly milder this year than during any of the past five years, so much so that there was no need for opening the Chatby Isolation Hospital, and the few beds in the Infectious Section of the General Hospital were enough to accommodate the cases that required isolation and treatment.

(*b*) No military cases at all were dealt with during this year, in contra-distinction to preceding years, when the military admissions used to increase the general list of takings-in.

The number of admissions previously stated does not include the women who received treatment at the Lock Hospital for native prostitutes (the Ex Austro-Hungarian Hospital at Moharrem Bey). These were 914 in number, which, with the addition of thirty-eight cases remaining in hospital on December 31, 1920, gives a total of 952 in-patients. This number is about 200 less than that of last year, and about 500 less than the year 1919.

Table XXV shows the nature and results of these cases.

The following table shows the total number of cases dealt with as in-patients under the Direction of this hospital during the year 1921 :—

| | |
|---|---|
| Number of cases treated at General Hospital ... ... | 8,251 |
| ,, ,, ,, Lock Hospital ... ... ... | 914 |
| ,, ,, remaining at the end of 1921 :— | |
| At General Hospital ... ... ... ... ... ... | 297 |
| At Lock Hospital... ... ... ... ... ... ... | 38 |
| TOTAL ... ... | 9,500 |

The table given below demonstrates the progressive increase in the admissions and the out-patients during the past sixteen years. The admissions have gone progressively up from 4,232 in 1906 to 10,407 in 1918 and then showed a decrease. The out-patients were only 3,829 in 1906 and were 39,354 this last year, which is over ten times as much. This does not include the old cases nor the admissions :—

| YEAR. | Admissions. | Out-patient New Cases. |
|---|---|---|
| **1906** | 4,232 | 3,829 |
| **1907** | 4,653 | 3,799 |
| **1908** | 5,296 | 4,717 |
| **1909** | 5,676 | 8,623 |
| **1910** | 6,032 | 10,000 |
| **1911** | 6,114 | 11,111 |
| **1912** | 6,523 | 12,109 |
| **1913** | 7,288 | 18,449 |
| **1914** | 7,531 | 17,565 |
| **1915** | 7,907 | 18,931 |
| **1916** | 9,599 | 20,388 |
| **1917** | 9,963 | 16,399 |
| **1918** | 10,407 | 18,771 |
| **1919** | 9,278 | 18,061 |
| **1920** | 8,734 | 24,038 |
| **1921** | 8,260 | 39,354 |

With the addition of 8,260 admissions to 39,354 other new cases at Out-patients Department we get a total of 47,614 new cases attending at the Hospital during the year.

The total number of cases discharged from the hospital during 1921 was 8,251 : 6,565 males and 1,686 females. The following table shows the results attained :—

| | Males. | Females. | Total. |
|---|---|---|---|
| Cured ... ... ... ... ... ... ... ... ... ... | 2,854 | 897 | 3,751 |
| Improved ... ... ... ... ... ... ... ... ... | 2,829 | 492 | 3,321 |
| No improvement ... ... ... ... ... ... ... ... | 359 | 126 | 485 |
| Died... ... ... ... ... ... ... ... ... ... ... | 523 | 171 | 694 |
| Total ... ... | 6,565 | 1,686 | 8,251 |
| Under treatment at the end of the year ... | 234 | 63 | 297 |

The daily average of patients in the hospital was 299.

The total number of deaths was 694, which is approximately 8·4 per cent of the total number of cases that were treated at the General Hospital. It is to be noted that the deaths due to infectious diseases only is 137, which, if added to the deaths due to burns and serious casualties explains the causation of half the total number of deaths.

Classification of the 8,260 Admissions.

| | |
|---|---|
| Cases admitted at the request of the Police ... ... | 1,934 |
| ,, ,, at their own request ... ... ... ... | 3,803 |
| Policemen ... ... ... ... ... ... ... ... ... ... | 694 |
| Prisoners : natives ... ... ... ... ... ... ... ... | 133 |
| Europeans ... ... ... ... ... ... ... ... | 12 |
| Administrations ... ... ... ... ... ... ... ... ... | 1,383 |
| Ghafirs ... ... ... ... ... ... ... ... ... ... ... | 301 |
| Total ... ... | 8,260 |

TABLE XXV.—RESULTS OF TREATMENT OF THE 8,251 CASES THAT WERE DISCHARGED FROM THE ALEXANDRIA GOVERNMENT HOSPITAL DURING THE YEAR 1921.

| DISEASES. | Cured. | | Improved. | | No Improvement. | | Died. | | Total. | | GRAND TOTAL. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | |
| *Alimentary.* | | | | | | | | | | | |
| Diseases of stomach | 51 | 14 | 4 | 1 | — | — | 3 | 1 | 58 | 16 | 74 |
| Tubercular peritonitis | 4 | 1 | 3 | 4 | 2 | 2 | 2 | 1 | 11 | 8 | 19 |
| Dysentery | 78 | 14 | 41 | 4 | 1 | — | 15 | 2 | 135 | 20 | 155 |
| Diarrhœa and enteritis | 51 | 4 | 30 | 5 | 4 | 2 | 10 | 1 | 95 | 12 | 107 |
| Liver | 9 | — | 13 | — | 3 | — | 2 | — | 27 | — | 27 |
| Other diseases | 76 | 1 | 7 | — | — | — | 1 | 1 | 84 | 2 | 86 |
| *Respiratory.* | | | | | | | | | | | |
| Pneumonia | 33 | 8 | 7 | — | — | — | 20 | 2 | 60 | 10 | 70 |
| Phthisis | 1 | — | 49 | 8 | 47 | 2 | 35 | 12 | 132 | 22 | 154 |
| Pleurisy | 12 | — | 14 | 1 | 1 | 1 | 6 | — | 33 | 2 | 35 |
| Other diseases | 90 | 8 | 116 | 7 | 6 | 1 | 15 | — | 227 | 16 | 243 |
| *Circulatory.* | | | | | | | | | | | |
| Heart | 1 | — | 37 | 11 | 6 | 4 | 17 | 5 | 61 | 20 | 81 |
| Other circulatory diseases | 1 | 2 | 14 | 10 | 3 | 5 | 5 | 2 | 23 | 19 | 42 |
| *Urinary.* | | | | | | | | | | | |
| Nephritis | 1 | 5 | 23 | 8 | 4 | — | 6 | 9 | 34 | 22 | 56 |
| Others | 75 | 5 | 41 | 2 | 9 | — | 6 | — | 131 | 7 | 138 |
| *Blood.* | | | | | | | | | | | |
| Spleen | 19 | 3 | 24 | 3 | 4 | 1 | 6 | 1 | 53 | 8 | 61 |
| Others | 12 | 2 | 22 | 6 | 2 | — | 1 | — | 37 | 8 | 45 |
| *Nervous.* | | | | | | | | | | | |
| Brain | 2 | — | 2 | — | — | — | 5 | — | 9 | — | 9 |
| Spinal cord | — | — | 2 | — | — | — | 1 | 1 | 3 | 1 | 4 |
| Others | 18 | 1 | 47 | 4 | 14 | 3 | 4 | 2 | 83 | 10 | 93 |
| *Constitutional.* | | | | | | | | | | | |
| Rheumatism | 66 | 9 | 33 | 7 | — | — | 1 | — | 100 | 16 | 116 |
| Diabetes | — | — | 16 | 4 | 7 | 2 | — | 1 | 23 | 7 | 30 |
| Senility | 1 | — | 10 | 4 | 9 | 4 | 15 | 3 | 35 | 11 | 46 |
| Debility | 5 | 2 | 23 | 4 | 5 | 3 | 12 | 6 | 45 | 15 | 60 |
| *Parasitic.* | | | | | | | | | | | |
| Pellagra | 4 | — | 43 | 10 | 5 | 1 | 32 | 2 | 84 | 13 | 97 |
| Malaria | 28 | 1 | 5 | — | — | — | 1 | — | 34 | 1 | 35 |
| Ankylostoma | 12 | — | 27 | — | 3 | — | 1 | — | 43 | — | 43 |
| Filaria | — | — | 1 | — | — | — | — | — | 1 | — | 1 |
| *Poisoning.* | | | | | | | | | | | |
| Alcohol | 105 | 7 | 11 | 1 | — | — | 1 | — | 117 | 8 | 125 |
| Other poisons | 22 | 3 | 7 | 2 | — | — | 2 | — | 31 | 5 | 36 |
| *Lunatics* | — | — | 31 | 14 | 88 | 32 | 2 | — | 121 | 42 | 167 |
| *Other Medical diseases* | 33 | 13 | 22 | 7 | 4 | 1 | 6 | 2 | 65 | 23 | 88 |
| *Fractures.* | | | | | | | | | | | |
| Simple | 11 | 9 | 134 | 27 | 4 | 1 | 18 | 2 | 167 | 39 | 206 |
| Compound | 13 | 1 | 49 | 5 | — | — | 7 | 1 | 69 | 7 | 76 |

TABLE XXV (*continued*).

| DISEASES. | Cured. | | Improved. | | No Improvement. | | Died. | | Total. | | GRAND TOTAL. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | |
| *Tumours.* | | | | | | | | | | | |
| Malignant | 5 | — | 6 | 2 | 10 | 10 | 2 | 3 | 23 | 15 | 38 |
| Non-malignant | 13 | 4 | 11 | 1 | 2 | 3 | — | — | 26 | 8 | 34 |
| Traumatic injuries | 108 | 18 | 500 | 50 | 4 | 1 | 74 | 8 | 686 | 77 | 763 |
| Burns | 10 | 3 | 32 | 22 | 2 | 4 | 23 | 50 | 67 | 79 | 146 |
| Bilharziasis | 56 | 1 | 110 | 1 | 10 | — | 9 | — | 185 | 2 | 187 |
| Fistula in ano | 22 | 3 | 81 | 4 | 6 | 1 | 1 | — | 110 | 8 | 118 |
| Liver abscess | 4 | 1 | 6 | 1 | — | — | 2 | — | 12 | 2 | 14 |
| Hernia | 205 | 7 | 32 | 2 | 21 | 1 | 7 | — | 265 | 10 | 275 |
| Hæmorrhoids | 81 | 8 | 126 | 13 | 11 | 1 | — | — | 218 | 22 | 240 |
| Appendicitis | 13 | 1 | 8 | — | 1 | — | 2 | 2 | 24 | 3 | 27 |
| Vesical calculus | 19 | — | 3 | — | — | — | 5 | — | 27 | — | 27 |
| Other surgical diseases | 272 | 52 | 531 | 99 | 47 | 17 | 38 | 8 | 888 | 176 | 1,064 |
| *Ophthalmic* | 176 | 77 | 110 | 55 | 10 | 3 | — | — | 296 | 135 | 431 |
| *Skin* | 218 | 14 | 141 | 22 | 1 | 1 | 1 | 2 | 361 | 39 | 400 |
| *Venereals.* | | | | | | | | | | | |
| Syphilis | 28 | 10 | 149 | 34 | 3 | 1 | — | — | 180 | 45 | 225 |
| Gonorrhœa | 20 | 4 | 47 | 5 | — | — | — | — | 67 | 9 | 76 |
| Soft sores | 21 | — | 28 | — | — | — | — | — | 49 | — | 49 |
| *Midwifery* | — | 44 | — | 3 | — | 3 | — | 2 | — | 52 | 52 |
| *Gynæcology* | — | 148 | — | 19 | — | 15 | — | 3 | — | 185 | 185 |
| *Foundlings* | 14 | 18 | — | — | — | — | — | — | 14 | 18 | 32 |
| Relatives accompanying patients | 50 | 159 | — | — | — | — | — | — | 50 | 159 | 209 |
| *Fevers* | 559 | 153 | — | — | — | — | 101 | 36 | 660 | 189 | 849 |
| Cases under observation, found to be nothing | 126 | 59 | — | — | — | — | — | — | 126 | 59 | 185 |
| GRAND TOTAL | 2,854 | 897 | 2,829 | 492 | 359 | 126 | 523 | 171 | 6,565 | 1,686 | 8,251 |

SUMMARY.

| RESULT. | Males. | Females. | TOTAL. |
|---|---|---|---|
| Cured | 2,854 | 897 | 3,751 |
| Improved | 2,829 | 492 | 3,321 |
| No improvement | 359 | 126 | 485 |
| Died | 523 | 171 | 694 |

TABLE XXVI.—DIFFERENTIAL LIST OF THE OPERATIONS, SURGICAL AND GYNÆCOLOGICAL, PERFORMED AT THE ALEXANDRIA GOVERNMENT HOSPITAL DURING THE YEAR 1921.

| OPERATIONS. | Cured. | Improved. | No Improvement. | Died. | Under Treatment. | TOTAL. |
|---|---|---|---|---|---|---|
| Laparotomies | 119 | 7 | 2 | 29 | 7 | 164 |
| Herniotomy :— | | | | | | |
| Inguinal | 216 | 3 | — | 4 | 9 | 232 |
| Ventral | 4 | — | — | — | 1 | 5 |
| Femoral | 4 | — | — | — | 1 | 5 |
| Umbilical | 1 | — | — | — | — | 1 |
| Strangulated hernia :— | | | | | | |
| Inguinal | 13 | — | — | 4 | — | 17 |
| Umbilical | — | — | — | 1 | — | 1 |
| Hydroceles and hæmatoceles | 155 | 1 | — | 1 | 3 | 160 |
| Varicocele | 44 | — | — | 1 | — | 45 |
| Castration | 2 | 2 | — | 1 | — | 5 |
| Trephining | 25 | 1 | — | 3 | 1 | 30 |
| Prostatectomy | 2 | 1 | — | 1 | — | 4 |
| Kidney operations | 4 | 2 | — | 2 | 1 | 9 |
| Benign tumours and cysts | 29 | — | — | — | — | 29 |
| Malignant tumours | 8 | 31 | — | 4 | 1 | 44 |
| Goitre | 3 | 1 | — | — | — | 4 |
| Amputations :— | | | | | | |
| Due to injury | 34 | 2 | — | 5 | 1 | 42 |
| Due to disease | 14 | 4 | — | 2 | — | 20 |
| Lithotrity | 8 | — | — | 3 | — | 11 |
| Lithotomy :— | | | | | | |
| Suprapubic | 7 | — | — | 3 | — | 10 |
| Perineal | — | 4 | — | 4 | — | 8 |
| Cystotomy :— | | | | | | |
| Suprapubic | — | 1 | — | 8 | — | 9 |
| Perineal | — | 4 | — | 4 | — | 8 |
| Mastoid | 2 | 3 | — | — | 1 | 6 |
| Circumcision | 3 | — | — | — | — | 3 |
| Fistula :— | | | | | | |
| Anal | 67 | 7 | — | — | 1 | 75 |
| Urinary | 7 | 3 | — | 1 | 1 | 12 |
| Condylomata :— | | | | | | |
| Piles and fissures | 175 | 45 | — | — | 1 | 221 |
| Anal and ischio-rectal abscesses | 39 | 11 | — | — | 2 | 52 |
| Necrosis | 63 | 22 | — | 3 | 15 | 103 |
| Plastics | 5 | 1 | — | 1 | 2 | 9 |
| Skin-grafting | 18 | 9 | — | — | 2 | 29 |
| Empyema thoracis | 8 | — | — | 3 | 1 | 12 |
| Abscesses, cellulitis, sinuses, ulcers, etc. | 102 | 89 | — | 5 | 9 | 205 |
| Elephantiasis | 2 | — | — | — | — | 2 |
| Hare-lip | 3 | — | — | — | — | 3 |
| Prolapse of rectum | 8 | 1 | — | — | — | 9 |
| Varicose veins | 4 | — | — | — | — | 4 |
| Papillomata of rectum | 11 | 4 | — | — | — | 15 |
| Decortication | — | — | — | — | 1 | 1 |
| Flap wounds | 18 | 3 | — | 2 | — | 23 |
| Dilatation of urethra | 1 | — | — | — | — | 1 |
| Trimming operations | 30 | 14 | — | 1 | 3 | 48 |
| Gunshot wounds | 24 | 2 | — | 9 | — | 35 |
| Bone operations :— | | | | | | |
| Plating and wiring | 2 | 2 | — | — | 1 | 5 |
| Compound fractures | 31 | 6 | — | 5 | 2 | 44 |

TABLE XXVI (*continued*).

| OPERATIONS. | Cured. | Improved. | No Improvement. | Died. | Under Treatment. | TOTAL. |
|---|---|---|---|---|---|---|
| Excision of scrotum | 4 | 1 | — | — | 1 | 6 |
| Foreign bodies | 3 | — | — | — | — | 3 |
| Nasal polypi | 3 | — | — | — | — | 3 |
| Stitch sinus | 2 | 3 | — | — | 1 | 6 |
| Tonsils and adenoids | 13 | — | — | — | — | 13 |
| Excisions of joints :— | | | | | | |
| Wrist | — | — | — | — | 1 | 1 |
| Sterno-clavicular | — | 1 | — | — | — | 1 |
| Head of mandible | 1 | — | — | — | — | 1 |
| Hip | 3 | — | — | — | — | 3 |
| Knee | 1 | — | — | — | 1 | 2 |
| Shoulder | 1 | — | — | — | — | 1 |
| Elbow | 1 | 2 | — | — | — | 3 |
| Glands :— | | | | | | |
| Of neck | 31 | 5 | — | — | 3 | 39 |
| Of axilla | 4 | — | — | — | — | 4 |
| Of groin | 5 | 1 | — | — | 2 | 8 |
| Examination under chloroform | 5 | 1 | — | — | — | 6 |
| Reduction of dislocation | 3 | — | — | — | — | 3 |
| Laminectomy | — | — | — | 1 | — | 1 |
| Cold abscesses | 10 | 10 | — | — | 1 | 21 |
| Periostitis | 3 | 1 | — | — | — | 4 |
| *Major Gynæcological Operations* (see *Laparotomies*). | | | | | | |
| *Minor Gynæcological Operations.* | | | | | | |
| Cyst of labium | 1 | — | — | — | — | 1 |
| Bartholinectomy | 4 | — | — | — | — | 4 |
| Vegetations and warts | 2 | — | — | — | — | 2 |
| Vaginal cyst | 1 | — | — | — | — | 1 |
| Colpo-perinorrhaphy | 6 | — | — | — | 1 | 7 |
| Anterior colporrhaphy | 11 | — | — | — | 1 | 12 |
| Posterior colporrhaphy | 9 | — | — | — | 1 | 10 |
| Colpocleisis | 1 | — | — | — | — | 1 |
| Vaginal drainage | 1 | 1 | — | 1 | 1 | 4 |
| Polypus of uterus | 5 | — | — | — | — | 5 |
| Dilatation of cervix | 24 | — | — | — | — | 24 |
| Curettage | 67 | 1 | — | — | 1 | 69 |
| Evacuation of uterus for abortion | 11 | — | — | — | — | 11 |
| *Midwifery.* | | | | | | |
| Forceps | 1 | — | — | — | — | 1 |
| Podalic version | 2 | — | — | — | 1 | 3 |
| Cranioclast | — | — | — | 1 | — | 1 |
| TOTAL | 1,554 | 313 | 2 | 113 | 83 | 2,065 |

SUMMARY.

| | |
|---|---|
| Cured | 1,554 |
| Improved | 313 |
| No improvement | 2 |
| Died | 113 |
| Under treatment | 83 |
| TOTAL | 2,065 |

This shows that the mortality of the operation cases was nearly 5·4 per cent.

TABLE XXVII.—DIFFERENTIATION OF THE 164 LAPAROTOMIES PERFORMED DURING THE YEAR.

| OPERATIONS. | Cured. | Improved. | Same. | Died. | Under Treatment. | TOTAL. |
|---|---|---|---|---|---|---|
| *Surgical Operations, Male and Female.* | | | | | | |
| Exploration | 3 | 2 | — | 2 | — | 7 |
| Splenectomy | 17 | — | — | 6 | 1 | 24 |
| Liver abscess | 7 | — | — | 1 | — | 8 |
| Thalama's | 3 | — | — | — | — | 3 |
| Appendicectomy | 11 | — | — | 3 | 1 | 15 |
| Tubercular peritonitis | 3 | 2 | — | — | — | 5 |
| Intestinal obstruction :— | | | | | | |
| Volvulus | 3 | — | — | — | — | 3 |
| Bands | 1 | — | — | — | — | 1 |
| Intussusception | 1 | — | — | — | — | 1 |
| Cancer | 1 | — | — | 4 | — | 5 |
| Gunshot wounds | 2 | — | — | 3 | — | 5 |
| Stab wounds | 4 | — | — | 2 | 1 | 7 |
| Colopexy | 2 | — | — | — | — | 2 |
| Septic peritonitis | 1 | — | — | 1 | — | 2 |
| Bilharzia of sigmoid | 1 | 1 | — | — | — | 2 |
| Gastrostomy | — | — | — | 1 | — | 1 |
| Fæcal fistula | — | — | — | 1 | — | 1 |
| Gunshot wound of kidney | — | — | — | 1 | — | 1 |
| Angioma of liver | — | — | 1 | — | — | 1 |
| *Gynæcological Laparotomies.* | | | | | | |
| Hysterectomy | 8 | — | — | — | — | 8 |
| Dermoid of broad ligament | 1 | — | — | — | — | 1 |
| Salpingectomy | 3 | — | — | — | — | 3 |
| Ventrofixations, ventrosuspensions, shortening of round ligaments, etc. | 24 | — | — | 1 | 2 | 27 |
| Pyosalpinx, tubo-ovarian abscess, abscess of broad ligament, etc. | 12 | 2 | — | 3 | — | 17 |
| Ovarian tumours and cysts | 10 | — | — | — | 2 | 12 |
| Malignant ovary | — | — | 1 | — | — | 1 |
| Wertheim's operation for cancer of cervix | 1 | — | — | — | — | 1 |
| TOTAL | 119 | 7 | 2 | 29 | 7 | 164 |

SUMMARY.

| | |
|---|---|
| Cured | 119 |
| Relieved | 7 |
| Same condition | 2 |
| Died | 29 |
| Under treatment | 7 |
| TOTAL | 164 |

The mortality of all laparotomies was approximately 17·5 per cent.

TABLE XXVIII.—LIST OF THE INFECTIOUS DISEASES TREATED AT THE ALEXANDRIA GOVERNMENT HOSPITAL DURING THE YEAR 1921.

| DISEASES. | Cured. | | Died. | | Total. | | GRAND TOTAL. |
|---|---|---|---|---|---|---|---|
| | Males. | Females. | Males. | Females. | Males. | Females. | |
| Typhus | 51 | 31 | 27 | 10 | 78 | 41 | 119 |
| Relapsing fever | 35 | 5 | — | — | 35 | 5 | 40 |
| P.O.U.O. | 296 | 45 | 18 | 7 | 314 | 52 | 366 |
| Influenza | 22 | 3 | 3 | — | 25 | 3 | 28 |
| Smallpox | 3 | 1 | — | — | 3 | 1 | 4 |
| Chickenpox | 1 | 2 | — | — | 1 | 2 | 3 |
| Mumps | 7 | 2 | — | — | 7 | 2 | 9 |
| C.S.M. | 4 | 1 | 1 | 1 | 5 | 2 | 7 |
| Measles | 4 | 2 | — | — | 4 | 2 | 6 |
| Diphtheria | 3 | — | 1 | 2 | 4 | 2 | 6 |
| Plague | 65 | 28 | 23 | 11 | 88 | 39 | 127 |
| Erysipelas | 67 | 28 | 18 | 1 | 85 | 29 | 114 |
| Tetanus | 1 | 1 | 8 | 2 | 9 | 3 | 12 |
| Typhoid | — | — | 2 | — | 2 | — | 2 |
| Puerperal fever | — | 4 | — | 2 | — | 6 | 6 |
| TOTAL | 559 | 153 | 101 | 36 | 660 | 189 | 849 |

This shows that the total number of infectious diseases received this year was only 849, as compared with 1,440 during 1920. There was no need to open Chatby, whereas last year 1,089 other cases had to be isolated and treated there.

*The Chatby Isolation Hospital.*

As mentioned in former pages, the outbreak of infectious diseases during the year 1921 was distinctly milder than during any of the past five years.

The following table shows the difference :—

| YEAR. | Number of Cases treated at Chatby. | | | Number of Cases treated at Infectious Section of General Hospital. | | | TOTAL. |
|---|---|---|---|---|---|---|---|
| | Males. | Females. | Total. | Males. | Females. | Total. | |
| **1920** | 799 | 290 | 1,089 | 1,167 | 273 | 1,440 | 2,529 |
| **1921** | — | — | — | 660 | 189 | 849 | 849 |

This shows that the number of infectious diseases dealt with during 1921 was only one-third of the number we received during the preceding year, and was milder still than the four years before.

*The Ophthalmic Section.*

The work in the Ophthalmic section has increased during this year as is indicated hereunder :—

New cases at the Ophthalmic Out-patients Department during the year were 6,110.

Old cases attendances were 37,647.

The total number of ophthalmic, old and new, 43,757.

Total number of ophthalmic admissions was 445.

Total number of ophthalmic operations, minor and major, was 2,471.

*The Lunacy Section.*

167 cases of lunacy were admitted to the hospital which is only one case more than last year. Eleven other cases were admitted to the hospital under observation for lunacy and were found sane and subsequently discharged.

These cases were disposed of as follows :—

| | Males. | Females. | Total. |
|---|---|---|---|
| Cases sent to Asylum :— | | | |
| Certified by Police Medical Officer ... ... | 87 | 32 | 119 |
| Certified by Hospital Medical Officer ... | 1 | — | 1 |
| Cases discharged :— | | | |
| Cured ... ... ... ... ... ... ... ... | — | — | — |
| Not insane ... ... ... ... ... ... ... | 8 | 3 | 11* |
| Still insane ... ... ... ... ... ... ... | 31 | 14 | 45† |
| Died ... ... ... ... ... ... ... ... ... | 2 | — | 2 |
| TOTAL ... ... | 129 | 49 | 178 |

*The Lock Hospital for Native Prostitutes.*

914 cases received treatment at the Lock Hospital at Moharrem Bey during this year, as compared with 1,057 cases during the year 1920. With the addition of 38 cases remaining in hospital under treatment at the end of the year, we get a total of 952.

The following table demonstrates the nature and results of treatment of these cases :—

| DISEASES. | Cured. | Transferred to General Hospital. | Total. |
|---|---|---|---|
| Syphilis ... ... ... ... ... ... ... ... ... | 241 | — | 241 |
| Gonorrhœa ... ... ... ... ... ... ... ... | 306 | — | 306 |
| Soft sores ... ... ... ... ... ... ... ... | 164 | — | 164 |
| Skin diseases... ... ... ... ... ... ... ... | 10 | — | 10 |
| Relatives accompanying patients ... ... ... | 14 | — | 14 |
| Under observation (found non-contagious) ... | 160 | 19 | 179 |
| TOTAL ... ... | 895 | 19 | 914 |

SUMMARY.

| | |
|---|---|
| Cases existing at beginning of 1921 ... | 78 |
| Cases admitted during the year ... ... | 874 |
| Cases discharged during the year ... ... | 914 |
| Cases remaining at end of 1921 ... ... | 38 |

*The Anthelmintic Annex.*

(A short note on the treatment of Bilharzia and Ankylostoma).

Prior to February 1921, all bilharzia cases that required a course of tartar emetic were admitted to the hospital and treated in the medical ward; since that date an Anthelmintic Annex was attached to the Out-patients Department, and owing to the lack of place and inconvenience of the work in the mornings, arrangements were made for carrying out the treatment in the afternoons, which arrangements did not cause the attending patients any troubles.

* These eleven cases appear in the general list of the discharges of the hospital under the heading "eases under observation found to be nothing" and are not included under the heading "lunatics."

† These cases were discharged to their relatives or to different Consulates, still insane but quiet and harmless.

(1) *Choice of Cases.*—There was no choice of cases ; all stages of bilharzial infections had to be treated. Mild cases were instructed to attend regularly as out-patients, while severe infections, complicated or otherwise, and thus requiring prolonged medical treatment or surgical interference, were admitted to the hospital. Patients, however, coming from distant places, policemen, ghafîrs, Municipality labourers, etc., had to be admitted.

(2) *Nature of the Cases.*—The great majority of the cases treated as out-patients were urinary infections, while those treated in the wards were mostly intestinal ; double infections formed a small percentage.

Of 301 cases treated as out-patients, 82 per cent were urinary, 11 per cent intestinal, and 7 per cent mixed infection.

Of 180 cases treated in the wards, 40 per cent were urinary, 52½ per cent intestinal, and 7½ per cent double infections.

Of a total 481 cases treated by the hospital during the year, 322, *i.e.* 67 per cent, were urinary, 123, *i.e.* 26 per cent, were intestinal, and thirty-five cases, *i.e.* 7 per cent, were double infections.

This shows that urinary cases predominate in the out-patients ; intestinal cases are the majority of those treated in the wards, while double infections are about the same proportion in both.

(3) *Age.*—Patients of all ages attended as out-patients ; the youngest being seven years and the oldest forty-five.

(4) *Attendance.*—About 40 per cent of the cases in the out-patients have not attended regularly in spite of the treatment being free, and some stopped coming altogether. In-patients were persuaded to finish the course, and Government employees had to stay, and in this way it was possible to maintain regularity in the wards.

(5) *Dosage.*—It was a routine to start with half a grain (of tartar emetic) as an initial dose, then one grain, then one and a half, and then two grains. In strong robust subjects a bigger initial dose could be given, and in weak and debilitated patients the maximum dose of two grains could not be reached. A 6 per cent solution of tartar emetic was prepared and this rendered easy the use of an ordinary 2 c.c. *record* syringe. The injections were given regularly every second day and, sometimes, due to serious reaction, a period of rest had to be given to the patient. In mild cases improvement was noticeable after the fifth injection, *i.e.* after only seven grains, but usually an average total of twenty-three to twenty-seven grains had to be given. In some cases as few as thirteen grains, in others as many as thirty grains, and even thirty-five in one case, was a complete cure. Two deaths were recorded in the course of treatment and two cases of relapse, surely not new infections, one after thirteen grains, and the other after seventeen grains, and both had to have more injections. No patient was signed cured before three or four repeated microscopical examinations, all negative, of urine or stools or both, according to the nature of the case, and a fifth examination after fifteen days.

(6) *Reactions and Remote Effects.*—Nausea, vomiting, irritative cough, rigors, insomnia, pains all over the body, anorexia, wasting, and debility were the general bad reactions experienced by the patient. A sense of dysuria was a frequent complaint. Stomatitis and diarrhoea in the course of antimony treatment are signs of danger.

(7) *Value of the Tartar Emetic Treatment.*—The tartar emetic is a definite cure in early mild cases, especially the vesical. Combined with further treatment in complicated cases, it can still be considered a complete specific cure. A relapse may either be due to insufficient dosage during the treatment or a new infection.

(8) *Sex.*—Two women only attended for tartar emetic treatment, while the whole number was exclusively males.

### *Ankylostomiasis.*

All patients suffering from ankylostoma were admitted to the hospital and treated in the medical wards. Forty-three cases were treated during the year 1921, some of them required concomitant treatment for other affections.

Oil of chenopodium was the routine anthelmintic, while thymol had occasionally to be used when chenopodium failed, sometimes with very satisfactory results.

Three c.c. of the chenopodium given in three successive doses, with two hours' interval, repeated on the fourth and eighth day was the usual dosage for an adult. Thymol used to be given in doses from one to three or four grammes, according to the age and consitution of the patient.

No untoward symptoms or signs were observed beyond giddiness, epigastric discomfort, and whistling in the ears.

As many as eighty worms have been expelled on the first day of treatment.

It was a rule to purge the patients on vermifuge before and after the administration and to fast them in between. Stools for twenty-four hours were next collected, emulsified, strained with gauze and examined.

Some cases, though negative microscopically, contained worms, which were expelled by the anthelmintic, and *vice versa* other cases, positive under the microscope, could not be made to pass worms.

After a course of treatment most of these cases gained in hæmoglobin, added body weight, and felt great improvement.

Oil of chenopodium proved to be a good vermifuge in Ascariasis.

### *The Out-patients Department.*

The work in the different Out-patients Departments of this hospital has increased enormously during this year. The total number of cases that attended, whether old or new, went up to 133,054, which is about double the number of 1920.

The new cases that attended at all sections of the Out-patients was 39,354, while it was only 24,038 during 1920 and 18,061 during 1919.

In the former pages of this report, I gave a list showing the continuous increase in the numbers of the cases that attended at the Out-patients during the past sixteen years. From 3,829 cases in 1906, we arrived at 39,354 in 1921, which is over ten times as many.

A certain number of minor operations are performed at the Out-patients Department by the Resident Medical Officers, such cases as would not deserve admission. The following is a list of these operations :—

| | |
|---|---|
| Incisions of abscesses, etc.... ... ... ... | 474 |
| Extraction of foreign bodies ... ... ... | 4 |
| Excision of small tumours and cysts ... | 37 |
| Circumcisions... ... ... ... ... ... ... | 4 |
| Plastics ... ... ... ... ... ... ... ... | 68 |
| Extraction of carious teeth ... ... ... | 18 |
| Tappings... ... ... ... ... ... ... ... | 17 |
| Amputation ... ... ... ... ... ... ... | 1 |
| TOTAL ... ... | 623 |

### *X-ray Department.*

From April 23 till July 9, the switch table was under repair due to a burn in its coils.

During the remaining part of the year 192 cases required examination by the rays, and were, according to the nature of the case, either screened or photographed. The following is a list of these cases :—

| X-RAY EXAMINATIONS. | |
|---|---|
| Fractures ... ... ... ... ... ... ... | 39 screenings. |
| ,, ... ... ... ... ... ... ... | 64 plates. |
| Dislocations ... ... ... ... ... ... ... | 4 screenings. |
| ,, ... ... ... ... ... ... ... | 1 plate. |
| Kidney cases ... ... ... ... ... ... ... | 21 screenings. |
| ,, ,, ... ... ... ... ... ... ... | 12 plates. |
| Tumours ... ... ... ... ... ... ... ... | 7 |
| Other diseases ... ... ... ... ... ... | 37 |
| Foreign bodies ... ... ... ... ... ... | 6 |
| Bismuth meal... ... ... ... ... ... ... | 1 |
| TOTAL ... ... | 192 |

694 policemen and 301 ghafîrs were admitted during the year as compared with 727 and 303 last year and 716 and 263 the year before respectively.

145 prisoners: 133 natives and 12 Europeans received treatment as in-patients during the year, as compared with 198 last year: 169 and 29 respectively.

125 cases of drunkenness were admitted during the year, which is fifteen cases less than last year. Eight of these were females.

Thirty-two foundlings were sent to the hospital, fourteen males and eighteen females. This makes four less than last year, and of these there was a mortality of about 50 per cent.

Fourteen barbers and twenty *dayas* received instruction this year, of which thirteen barbers and eighteen *dayas* passed the examination.

3,097 examinations and re-examinations have been made by the Medical Commission, which is 138 cases more than during the year 1920 and about double the number seen during 1918. Of these 3,097 examinations, 156 cases were seen outside the hospital.

1,290 medico-legal reports have been dealt with by the Resident Medical Officers of the hospital, of which 1,209 were small reports and eighty-one long ones, including sixteen autopsies.

The number of patient-days was 109,236.

The cost per bed per annum was L.E. 84·289 milliemes.

The cost per patient per day was L.E. 0·271 milliemes.

The expenditure of the hospital has been L.E. 29,669·677 milliemes.

Treatment fees received from in-patients was L.E. 541·349 milliemes.

Treatment fees received from out-patients was L.E. 934·700 milliemes.

Spent from the *Sulfa* L.E. 996·033 milliemes.

## 2.—CHILDREN'S DISPENSARIES AND MATERNITY HOMES.

The useful work carried out by these was continued. An Intern Section was added during the year to Zagazig Maternity Home. This has been installed in an adjoining building and comprises a six-bedded ward, operation room, lecture room, chief *daya's* room, kitchen, bathroom, etc. It is of considerable use in dealing with patients coming for treatment from distant villages.

In the attached tables, Nos. XXIX to XXXIII, will be found details of the work carried out during the year in these Children's Dispensaries and Maternity Homes.

TABLE XXIX.—CHILDREN'S DISPENSARIES. CASES AND ATTENDANCES DURING 1921.

| DISPENSARIES. | New Cases. | Old Cases. | Total Attendances. | Period. |
|---|---|---|---|---|
| Damanhûr ... ... ... ... | 10,173 | 37,549 | 47,722 | 294 days |
| Tanta ... ... ... ... | 7,977 | 28,627 | 36,604 | 278 „ |
| Mansûra ... ... ... ... | 9,807 | 28,522 | 38,329 | 287 „ |
| Zagazig ... ... ... ... | 2,266 | 11,910 | 14,176 | 298 „ |
| Shibîn el Kôm ... ... ... | 5,288 | 21,320 | 26,608 | 296 „ |
| Gîza ... ... ... ... ... | 5,340 | 25,653 | 30,993 | 290 „ |
| Faiyûm ... ... ... ... | 4,567 | 18,666 | 23,233 | 281 „ |
| Beni Suef ... ... ... ... | 7,809 | 36,465 | 44,274 | 298 „ |
| Biba ... ... ... ... ... | 4,738 | 24,194 | 28,932 | 302 „ |
| Wasta ... ... ... ... ... | 5,527 | 18,291 | 23,818 | 303 „ |
| Minya ... ... ... ... ... | 6,422 | 21,734 | 28,156 | 299 „ |
| Port Said ... ... ... ... | 8,905 | 28,205 | 37,110 | 286 „ |
| TOTAL ... ... | 78,819 | 301,136 | 379,955 | Average. 293 days. |
| Total in 1914 ... | 47,601 | 202,088 | 249,689 | — |
| Total in 1915 ... | 48,923 | 206,159 | 255,082 | — |
| Total in 1916 ... | 70,223 | 320,587 | 390,810 | 293 days. |
| Total in 1917 ... | 69,233 | 314,474 | 383,707 | 295 days. |
| Total in 1918 ... | 70,061 | 312,188 | 382,249 | 289 days. |
| Total in 1919 ... | 55,384 | 235,831 | 291,215 | 231 days. |
| Total in 1920 ... | 71,292 | 320,411 | 391,703 | 282 days. |
| Total in 1921 ... | 78,819 | 301,136 | 379,955 | 293 days. |
| Increase or Decrease ... | + 7,527 | — 19,275 | — 11,748 | +11 days. |

TABLE XXX.—CHILDREN'S DISPENSARIES. ANALYSIS OF CASES DURING 1921.

| CASES. | Damanhûr. | Tanta. | Mansûra. | Zagazig. | Shibîn el Kôm. | Giza. | Faiyûm. | Beni Suef. | Biba. | Wasta. | Minya. | Port Said. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eyes ... ... | 2 | — | 8 | 384 | — | 1 | 63 | 255 | 1,053 | 745 | 1,378 | 704 |
| Skin ... ... | 1,113 | 943 | 1,541 | 376 | 995 | 1,528 | 724 | 1,670 | 584 | 738 | 690 | 1,010 |
| Ears ... ... | 114 | 402 | 373 | 96 | 148 | 34 | 147 | 312 | 162 | 211 | 103 | 356 |
| Chest ... ... | 1,140 | 1,175 | 1,969 | 323 | 720 | 977 | 789 | 1,033 | 411 | 755 | 700 | 1,022 |
| Abdomen ... | 6,163 | 3,963 | 3,663 | 753 | 2,513 | 2,053 | 1,704 | 3,748 | 2,251 | 2,528 | 2,220 | 4,428 |
| Surgical... ... | 301 | 426 | 193 | 116 | 61 | 96 | 58 | 185 | 26 | 42 | 22 | 692 |
| General ... ... | 1,314 | 988 | 1,966 | 215 | 804 | 571 | 978 | 563 | 234 | 506 | 1,198 | 256 |
| Infectious ... | 26 | 80 | 94 | 3 | 47 | 80 | 104 | 43 | 17 | 2 | 111 | 437 |
| Total number of new cases | 10,173 | 7,977 | 9,807 | 2,266 | 5,288 | 5,340 | 4,567 | 7,809 | 4,739 | 5,527 | 6,422 | 8,905 |
| Number of old cases ... .. | 37,549 | 28,627 | 28,522 | 11,910 | 21,320 | 25,653 | 18,666 | 36,465 | 24,194 | 18,291 | 21,734 | 28,205 |
| TOTAL... ... | 47,722 | 36,604 | 38,329 | 14,176 | 26,608 | 30,993 | 23,233 | 44,274 | 28,932 | 23,818 | 28,156 | 37,110 |
| Number of working days | 294 | 278 | 287 | 298 | 296 | 290 | 281 | 298 | 302 | 303 | 299 | 286 |

TABLE XXXI.—MATERNITY SCHOOLS. ANALYSIS OF ABNORMAL CASES DURING 1921.

| CASES. | Damanhûr. | Tanta. | Mansûra. | Zagazig. | Shibîn el Kôm. | Faiyûm. | Minya. | Sohâg. | TOTAL. |
|---|---|---|---|---|---|---|---|---|---|
| *Multiple Births :—* | | | | | | | | | |
| Twins ... ... ... ... ... | 12 | 14 | 2 | 17 | 14 | 6 | 2 | 7 | 74 |
| Triplets ... ... ... ... | — | — | — | — | — | 1 | — | — | 1 |
| *Abnormal Presentations :—* | | | | | | | | | |
| Breach ordinary ... ... | 16 | 14 | 3 | 15 | 12 | 13 | 6 | 10 | 89 |
| „ difficult... ... ... | — | 1 | — | 2 | — | 2 | 4 | 5 | 14 |
| Footling ... ... ... ... | — | — | — | 7 | — | — | — | — | 7 |
| Face ... ... ... ... ... | 1 | 6 | — | 4 | 1 | 2 | — | — | 14 |
| Transverse ... ... ... ... | 1 | 3 | 1 | 7 | 5 | — | 3 | 3 | 23 |
| Cord ... ... ... ... ... | — | 3 | — | 2 | 1 | 1 | 3 | 2 | 12 |
| Unreduced O.P. ... ... | — | 7 | — | 3 | — | 4 | — | — | 14 |
| Shoulder ... ... ... ... | 1 | 2 | — | 2 | — | — | — | — | 5 |
| *Instrumental Deliveries :—* | | | | | | | | | |
| Forceps ... ... ... ... | 3 | — | 4 | 14 | 20 | 14 | 4 | 4 | 63 |
| Craniotomy ... ... ... | — | — | — | — | 1 | — | 1 | — | 2 |
| Cæsarian section ... ... | — | 1 | — | 1 | — | — | — | — | 2 |
| *Complications :—* | | | | | | | | | |
| Post-partum hæmorrhage | — | 5 | 1 | 8 | — | — | 3 | — | 17 |
| Ante-partum „ ... | — | — | — | 12 | — | 1 | — | 2 | 15 |
| Placenta previa... ... ... | 1 | 1 | — | 1 | 1 | — | 1 | — | 5 |
| Retained and adherent placenta ... ... ... ... | — | 4 | — | 3 | 2 | — | — | 1 | 10 |
| Uterine inertia ... ... ... | — | 3 | — | 4 | — | 4 | — | — | 11 |
| Contracted pelvis ... ... | — | 2 | — | 2 | 2 | — | 5 | — | 11 |
| Anteflexed uterus ... ... | — | 1 | — | — | — | — | — | — | 1 |
| Gangrene of cervix ... ... | — | 1 | — | — | — | — | — | — | 1 |
| Cicatrised Os and vagina | — | — | — | — | — | — | 1 | — | 1 |
| Rigid Os ... ... ... ... | — | — | — | — | 1 | — | — | — | 1 |
| Œdema cervix and growths | — | 3 | — | — | — | — | — | — | 3 |
| Cancer ... ... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| Laceration of perineum ... | — | 7 | 1 | 8 | 3 | — | — | — | 19 |
| „ of vagina ... | — | 1 | — | — | — | — | — | — | 1 |
| Ruptured uterus ... ... | — | — | — | — | — | 1 | — | — | 1 |
| Hydramnios ... ... ... | — | — | — | 2 | — | 1 | 2 | — | 5 |
| *Carried forward* ... | 35 | 79 | 12 | 115 | 63 | 50 | 35 | 34 | 423 |

TABLE XXXI (*continued*).

| CASES. | Damanhûr. | Tanta. | Mansûra. | Zagazig. | Shibîn el Kôm. | Faiyûm. | Minya. | Sohâg. | TOTAL. |
|---|---|---|---|---|---|---|---|---|---|
| *Brought forward* ... | 35 | 79 | 12 | 115 | 63 | 50 | 35 | 34 | 423 |
| Albuminuria ... ... ... | — | — | — | 4 | — | — | — | — | 4 |
| Gen. Œdema (Heart) ... | — | — | — | 3 | — | — | — | — | 3 |
| Eclampsia ... ... ... ... | 1 | 2 | 1 | 2 | — | — | 1 | — | 7 |
| Syphilis ... ... ... ... | — | 4 | — | — | — | — | — | — | 4 |
| Gonorrhœa... ... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| Undiagnosed fever ... ... | — | 2 | — | — | — | — | — | — | 2 |
| Renal colic... ... ... ... | — | 1 | — | 1 | — | — | — | — | 2 |
| Syncope and aphasia ... | — | — | — | 1 | — | — | — | — | 1 |
| Leprosy ... ... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| Baudl's ring ... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| Metritis ... ... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| Hare-lip ... ... ... ... | — | — | — | — | — | — | — | 1 | 1 |
| Ascitis in infant ... ... | — | — | — | — | — | 1 | — | — | 1 |
| Monster ... ... ... ... | — | 1 | — | 1 | 1 | — | 1 | 1 | 5 |
| Hydrocephalus ... ... ... | — | — | — | — | — | 1 | — | 1 | 2 |
| Spina bifida ... ... ... | — | 1 | — | — | — | — | 1 | 1 | 3 |
| Fractured humerus ... ... | — | — | — | 2 | — | — | — | — | 2 |
| Ophthalmia neonatorum ... | — | 1 | — | — | — | — | — | — | 1 |
| *Illness complicating Puerperium :—* | | | | | | | | | |
| Puerperal fever... ... ... | 1 | 2 | 1 | 6 | 10 | 7 | — | — | 27 |
| Sapræmia ... ... ... ... | — | — | — | — | — | 3 | — | — | 3 |
| Puerperal ulcer ... ... | — | 1 | — | — | — | — | — | — | 1 |
| Abscess of breast ... ... | — | — | 1 | 1 | — | — | — | — | 2 |
| Albuminuria ... ... ... | — | — | — | 4 | — | — | — | — | 4 |
| Fever, three days ... ... | — | — | — | 3 | — | — | — | — | 3 |
| Fever, undiagnosed ... ... | — | 3 | — | 4 | 2 | — | — | 3 | 12 |
| Influenza ... ... ... ... | — | — | 3 | 3 | — | — | 3 | — | 9 |
| Malaria ... ... ... ... | — | 7 | 2 | — | — | — | — | — | 9 |
| Dysentery ... ... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| Cystitis ... ... ... ... | — | 1 | — | — | — | — | — | — | 1 |
| Pneumonia... ... ... ... | — | — | — | — | 3 | — | — | 1 | 4 |
| Bronchitis ... ... ... ... | — | — | — | — | 1 | — | — | — | 1 |
| Phthisis ... ... ... .. | — | — | — | 3 | — | — | — | — | 3 |
| Pulmonary embolism ... | — | 1 | — | — | — | 1 | — | — | 2 |
| Thrombosis... ... ... ... | — | 1 | — | — | — | — | — | 1 | 2 |
| Pelvic cellulitis... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| „ abscess ... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| Puerp. mania ... ... ... | — | — | — | — | 1 | — | — | — | 1 |
| Rheumatism ... ... ... | — | — | — | — | — | — | 1 | — | 1 |
| *Maternal Deaths :—* | | | | | | | | | |
| Pneumonia... ... ... ... | — | — | — | — | — | — | — | 1 | 1 |
| Puerperal fever ... ... | 1 | — | 1 | — | 2 | 2 | 1 | 1 | 8 |
| Gangrene, cervix .... ... | — | 1 | — | — | — | — | — | — | 1 |
| Rupture, heart ... ... ... | 1 | — | — | — | — | — | — | — | 1 |
| Heart failure ... ... ... | — | — | — | — | — | 3 | — | — | 3 |
| Rupture uterus ... .. ... | — | — | — | — | — | 1 | — | — | 1 |
| Embolism ... ... ... ... | — | 1 | — | — | — | 1 | — | — | 2 |
| Collapse ... ... ... ... | 2 | — | — | — | — | — | 1 | — | 3 |
| Nephritis ... ... ... ... | — | — | — | — | 1 | — | — | — | 1 |
| Eclampsia ... ... ... ... | — | — | — | 1 | — | — | 1 | — | 2 |
| Dysentery ... ... ... ... | — | — | — | 1 | — | — | — | — | 1 |
| Phthisis ... ... ... ... | — | — | — | 1 | — | — | 1 | — | 2 |
| Hæmorrhage ... ... ... | — | — | — | 1 | — | — | — | 2 | 3 |
| Fever, unknown .. ... | — | — | — | — | — | — | 1 | — | 1 |
| *Infant Mortality :—* | | | | | | | | | |
| Still-births... ... ... ... | 20 | 20 | 6 | 31 | 28 | 31 | 11 | 20 | 167 |
| Died after birth ... ... | 5 | 8 | 5 | 17 | 19 | 6 | 5 | — | 65 |
| *Premature Births :—* | | | | | | | | | |
| Viable... ... ... ... ... | 5 | 31 | 1 | 24 | 25 | 20 | 9 | 6 | 121 |
| Non-viable (abortions) ... | 1 | 15 | 19 | 14 | 4 | 4 | 7 | 15 | 79 |
| TOTAL ... ... | 72 | 183 | 52 | 250 | 160 | 131 | 79 | 88 | 1,015 |
| Total number of cases attended | 708 | 572 | 285 | 972 | 957 | 567 | 370 | 311 | 4,742 |

TABLE XXXII.—SCHOOLS FOR *Dayas*. STATISTICS FOR 1921.

| CASES. | Damanhûr. | Tanta. | Mansûra. | Zagazig. | Shibîn el-Kôm | Faiyûm. | Minya. | Sohâg. | Total. |
|---|---|---|---|---|---|---|---|---|---|
| Abortions ... ... ... ... ... | 1 | 15 | 19 | 17 | 4 | 4 | 7 | 15 | 82 |
| Deliveries ... ... ... ... ... | 534 | 335 | 173 | 595 | 671 | 367 | 244 | 160 | 3,079 |
| B.B.A. ... ... ... ... ... | 23 | 27 | 12 | 11 | — | 3 | 23 | 39 | 138 |
| Primipara ... ... ... ... ... | 100 | 85 | 51 | 164 | 153 | 107 | 44 | 36 | 740 |
| Abnormal Comp. ... ... ... | 12 | 47 | 13 | 77 | 32 | 22 | 20 | 26 | 249 |
| Premature births ... ... ... | 5 | 31 | 1 | 23 | 25 | 20 | 9 | 7 | 121 |
| Still-born ... ... ... ... ... | 21 | 20 | 6 | 31 | 29 | 29 | 11 | 20 | 167 |
| Deaths { Mother ... ... ... | 4 | 2 | 1 | 3 | 8 | 7 | 5 | 4 | 34 |
| Deaths { Child... ... ... ... | 5 | 8 | 5 | 17 | 20 | 8 | 5 | — | 68 |
| In-patients... ... ... ... ... | 3 | 2 | 4 | 34 | 15 | — | 2 | 4 | 64 |
| Total number of cases ... ... | 708 | 572 | 285 | 972 | 957 | 567 | 370 | 311 | 4,742 |
| Number of visits of matrons and *dayas* ... ... ... ... ... | 9,981 | 2,754 | 2,547 | 13,268 | 6,927 | 4,278 | 4,733 | 3,619 | 48,107 |
| Number of working days... ... | 299 | 175 | 206 | 322 | 336 | 317 | 246 | 245 | Average. 268 |
| Number of *dayas* trained... ... | 19 | 8 | 16 | 36 | 20 | 24 | 20 | 17 | 160 |

TABLE XXXIII.—MATERNITY HOMES. NUMBER OF *Dayas* WHO PASSED EXAMINATION AND THOSE WHO FAILED IN 1921.

| SCHOOLS. | Passed. | Failed. | Total. |
|---|---|---|---|
| Damanhûr ... ... ... ... | 18 | 1 | 19 |
| Tanta ... ... ... ... ... | 8 | — | 8 |
| Mansûra ... ... ... ... ... | 15 | 1 | 16 |
| Zagazig ... ... ... ... ... | 36 | — | 36 |
| Shibîn el Kôm ... ... ... | 17 | 3 | 20 |
| Faiyûm ... ... ... ... ... | 24 | — | 24 |
| Minya ... ... ... ... ... | 20 | — | 20 |
| Sohâg ... ... ... ... ... | 15 | 2 | 17 |
| TOTAL ... ... | 153 | 7 | 160 |

Number of Egyptian midwives who attended midwifery course in the maternity homes ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... 160
Number of those who passed the examination ... ... ... ... ... ... ... ... 153
„ „ failed ... ... ... ... ... ... ... ... ... ... ... ... 7

## 3.—GENERAL DISPENSARIES.

33,112 patients were treated in the various Government Dispensaries during the year. The detailed attendances at each dispensary are given in Table XXXIV.

The receipts for medicines supplied are given for each dispensary separately in Table XXXV.

TABLE XXXIV.—OUT-PATIENTS TREATED GRATUITOUSLY IN GOVERNMENT DISPENSARIES DURING 1921.

| DISPENSARIES. | Number of Patients. | DISPENSARIES. | Number of Patients. |
|---|---|---|---|
| | | *Brought forward* ... | 16,885 |
| Rosetta ... ... ... ... ... | 1,695 | El Dirr ... ... ... ... ... | 224 |
| El ʿAtf ... ... ... ... ... | 621 | Beni Mazâr ... ... ... ... | 2,705 |
| Ityâi el Barûd ... ... ... ... | 231 | Samallût ... ... ... ... ... | 1,871 |
| Dilingât ... ... ... ... ... | 71 | Abu Qurqâs ... ... ... ... | 815 |
| Shubrakhit ... ... ... ... | 3,281 | Wasta ... ... ... ... ... ... | 1,016 |
| Baltîm (Brullus) ... ... ... | 151 | Dairût ... ... ... ... ... ... | 225 |
| Barrage ... ... ... ... .. | 227 | Manfalût ... ... ... ... | 693 |
| Fariskûr ... ... ... ... ... | 445 | Abnûb ... ... ... ... ... ... | 125 |
| Tel el Kebîr ... ... ... ... | 4 | Abu Tîg ... ... ... ... ... | 589 |
| Shirbîn ... ... ... ... ... | 2,033 | El Badâri ... ... ... ... ... | 154 |
| Fûwa ... ... ... ... ... ... | 526 | Tema ... ... ... ... ... ... | 623 |
| Santa ... ... ... ... ... ... | 100 | Akhmîm ... ... ... ... ... | 1,626 |
| Quwesna ... ... ... ... ... | 676 | Girga ... ... ... ... ... ... | 2,576 |
| Bilqâs ... ... ... ... ... ... | 3,724 | Balyâna ... ... ... ... ... | 859 |
| Mataria (Manzala) ... ... ... | 1,147 | Basyûn ... ... ... ... ... | 278 |
| Kafr el Dauwâr ... ... ... | 182 | Nagʿ Hammâdi ... ... ... ... | 731 |
| El Saff ... ... ... ... ... | 502 | Dishna ... ... ... ... ... | 57 |
| Biba ... ... ... ... ... ... | 554 | Qûs ... ... ... ... ... ... | 343 |
| Itsa ... ... ... ... ... ... | 715 | Idfu ... ... ... ... ... ... | 717 |
| *Carried forward* ... ... | 16,885 | TOTAL ... ... | 33,112 |

TABLE XXXV.—DISPENSARIES RECEIPTS DURING 1921.

| DISPENSARIES. | RECEIPTS. L.E. | M. | DISPENSARIES. | RECEIPTS. L.E. | M. |
|---|---|---|---|---|---|
| | | | *Brought forward* ... | 264 | 652 |
| Rosetta ... ... ... ... ... | 23 | 528 | Beni Mazâr ... ... ... ... | 7 | 120 |
| El ʿAtf ... ... ... ... ... | 15 | 506 | Samallût ... ... ... ... ... | 8 | 340 |
| Ityâi el Barûd ... ... ... ... | 7 | 197 | Abu Qurqâs ... ... ... ... | 13 | 620 |
| Dilingât ... ... ... ... ... | 8 | 432 | Wasta ... ... ... ... ... ... | 16 | 449 |
| Shubrakhît ... ... ... ... ... | 10 | 880 | Dairût ... ... ... ... ... ... | 4 | 735 |
| Baltîm (Brullus) ... ... ... | 6 | 518 | Manfalût ... ... ... ... ... | 11 | 530 |
| Barrage ... ... ... ... ... | 6 | 255 | Abnûb ... ... ... ... ... ... | 29 | 365 |
| Fariskûr ... ... ... ... ... | 13 | 307 | Abu Tîg ... ... ... ... ... | 4 | 923 |
| Tel el Kebîr ... ... ... ... | — | | El Badâri ... ... ... ... ... | 7 | 017 |
| Shirbîn ... ... ... ... ... | 15 | 435 | Tema ... ... ... ... ... ... | 12 | 267 |
| Fûwa ... ... ... ... ... ... | 21 | 275 | Akhmîm ... ... ... ... ... | 15 | 470 |
| Santa ... ... ... ... ... ... | 7 | 320 | Girga ... ... ... ... ... ... | 11 | 220 |
| Quwesna ... ... ... ... ... | 17 | 969 | Balyâna ... ... ... ... ... | 23 | 326 |
| Bilqâs ... ... ... ... ... ... | 30 | 336 | Basyûn ... ... ... ... ... | 14 | 595 |
| Mataria (Manzala) ... ... ... | 19 | 855 | Nagʿ Hammâdi ... ... ... ... | 24 | 012 |
| Kafr el Dauwâr ... ... ... | 30 | 521 | Dishna ... ... ... ... ... | 10 | 250 |
| El Saff ... ... ... ... ... | 2 | 000 | Qûs ... ... ... ... ... ... | 5 | 866 |
| Biba ... ... ... ... ... ... | 20 | 902 | Idfu ... ... ... ... ... ... | 17 | 965 |
| Itsa ... ... ... ... ... ... | 7 | 419 | El Dirr ... ... ... ... ... | 2 | 985 |
| *Carried forward* ... | 264 | 652 | TOTAL ... ... | 505 | 707 |

## 4.—INSPECTORATE OF PHARMACIES.

### Control of Pharmacies and the Drug Traffic.

During the year certain modifications have been introduced into the arrangements for the authorization of wholesale poison dealers, with the object of effecting a more satisfactory control over the traffic in cocaine, morphine, opium, heroine and *cannabis indica* and the preparations and derivatives of these. Under the old arrangements it was found that there was increasing tendency showing itself for certain persons to apply for authorizations as wholesale poison dealers less with the object of embarking on the general wholesale chemical trade than with the idea of engaging mainly in the more lucrative traffic in stupefacient drugs, which, under existing laws, are possible by legitimate courses of being directed to undesirable ends. This tendency was rapidly leading to a position in which the number of authorized wholesale poison dealers was becoming so great as to be difficult of effective control and out of all proportion to the needs of the community. During the previous year, as a result of this, the issue of new authorizations was entirely suspended for a time, as a temporary measure. The difficulty under the old arrangement was that no person could import or deal in poisons unless first provided with an authorization to do so. Any person therefore wishing to engage in the wholesale chemical trade, unless he excluded poisons which was not feasible, had of necessity to obtain his authorization before he took any steps to set up his business. At that time, however, it was impossible for the controlling service to foresee whether the applicant would eventually establish a *bona-fide* wholesale chemical or drug business or merely or mainly use his authorization for the purpose of importing and dealing in stupefacient drugs. Under the new scheme which came into force towards the end of the year two forms of authorizations are issued :—

A. An authorization to deal in all poisons except cocaine, morphine, opium, heroine, and *cannabis indica* and the preparations and derivatives of these. This authorization is accorded to all persons producing the required certificates and is valid for five years.

B. An authorization to deal in the narcotic drugs excluded from A. This is renewable every year and is only issued to pharmacists or persons who, under A, have shown that they are engaged in a legitimate wholesale general drug trade, or are the accredited agents of reputable drug manufacturers.

This arrangement permits of new firms establishing the *bona-fides* of their businesses under permit A and later obtaining permit B, as soon as it has been shown that they really intend to engage in a legitimate wholesale drug business.

Firms authorized previous to the new arrangements coming into force have, under the old authorization, the rights of trade now conferred upon dealers holding both permits A and B under the new.

The distribution of the authorizations issued to wholesale poison dealers up to end of 1921 are given below together with the results of the legal proceedings taken against persons who have failed to comply with the law regulating this trade.

Table XXXVI.—Authorized Poison Dealers.

| | Cairo. | Alexandria. | Provinces. | Total. |
|---|---|---|---|---|
| Authorizations issued up to end of 1921 ... | 43 | 38 | 12 | 93 |
| Contraventions against Poisons Law No. 14 1904 :— | | | | |
| Authorized dealers ... ... ... ... ... | — | 1 | — | 1 |
| Unauthorized dealers ... ... ... ... | 1 | — | 5 | 6 |
| | =1 | =1 | =5 | =7 |
| Judgments given against contraveners :— | | | | |
| Authorized dealers ... ... ... ... ... | — | 1 | — | 1 |
| Unauthorized dealers ... ... ... ... | 1 | — | 1 | 2 |
| | =1 | =1 | =1 | =3 |
| Cases pending :— | | | | |
| Unauthorized persons ... ... ... ... | — | — | 4 | 4 |

## Pharmacies.

The additional pharmacist attached to the Inspectorate of Pharmacies last year for the purpose of extending the control over outside pharmacies has greatly facilitated the carrying out of inspections of these, and during the year nearly every pharmacy has been visited by one or other of the Inspectors. The few which have not been inspected are those which have opened recently and this for the reason that it is of but little use to inspect such until they have been in existence at least three months and have had an opportunity of establishing themselves on the lines upon which they propose to run.

It is to be regretted that a large percentage of pharmacies still fail to give entire satisfaction.

It is true that in most cases they conform to the law but many of them leave much to be desired in the way of cleanliness and sufficiency of drugs and implements. On such points the Inspectors have no power to take any legal action. The most they can do is to advise an amelioration. Under the law it is not necessary that the owner of a pharmacy should be a qualified pharmacist provided that the actual work in the pharmacy is done by a qualified person. A greater tendency to unsatisfactory conditions is found in the pharmacies owned by unqualified persons than is found in those belonging to qualified pharmacists.

In table XXXVII are given details of the inspections held during the year.

Table XXXVII.—Control of Pharmacies.

| Pharmacies. | Cairo. | Alexandria. | Provinces. | Total. |
|---|---|---|---|---|
| Total of pharmacies existing at end of 1920:— | | | | |
| Qualified proprietors ... ... ... ... | 92 } =153 | 41 } =77 | 68 } =145 | 201 } =375 |
| Unqualified proprietors ... ... ... ... | 61 } | 36 } | 77 } | 174 } |
| Opened during 1921:— | | | | |
| Qualified proprietors ... ... ... ... | 9 } =16 | 4 } = 8 | 9 } =16 | 22 } =40 |
| Unqualified proprietors ... ... ... ... | 7 } | 4 } | 7 } | 18 } |
| Closed during 1921:— | | | | |
| Qualified proprietors ... ... ... ... | 5 } =13 | 2 } = 4 | 3 } =14 | 10 } =31 |
| Unqualified proprietors ... ... ... ... | 8 } | 2 } | 11 } | 21 } |
| Existing at end of 1921:— | | | | |
| Qualified proprietors ... ... ... ... | 96 } =156 | 43 } =81 | 74 } =146 | 213 } =383 |
| Unqualified proprietors ... ... ... ... | 60 } | 38 } | 72 } | 170 } |
| Inspected during 1921:— | | | | |
| Qualified proprietors ... ... ... ... | 97 } =161 | 39 } =78 | 59 } =132 | 195 } =371 |
| Unqualified proprietors ... ... ... ... | 64 } | 39 } | 73 } | 176 } |
| Satisfactory Inspections:— | | | | |
| Qualified proprietors ... ... ... ... | 87 } =140 | 36 } =68 | 51 } =112 | 174 } =320 |
| Unqualified proprietors ... ... ... ... | 53 } | 32 } | 61 } | 146 } |
| Unsatisfactory Inspections:— | | | | |
| Qualified proprietors ... ... ... ... | 10 } =21 | 3 } =10 | 8 } =20 | 21 } =51 |
| Unqualified proprietors ... ... ... ... | 11 } | 7 } | 12 } | 30 } |

TABLE XXXVIII.

| | Cairo. | Alexandria. | Provinces. | Total. |
|---|---|---|---|---|
| Samples of drugs, etc., sent to Laboratories for analysis :— | | | | |
| Conform ... ... ... ... ... ... ... | — | — | — | 209 } =310 |
| Not conform ... ... ... ... ... ... | — | — | — | 101 } |
| Contraventions against the Pharmacy Law No. 14 of 1904 :— | | | | |
| Qualified proprietors ... ... ... ... | 3 | 2 | 2 | 7 |
| ,, managers ... ... ... ... ... | 3 | 3 | 6 | 12 |
| Assistant pharmacists ... ... ... ... | — } = 12 | 1 } = 17 | — } = 20 | 1 } = 49 |
| Apprentices ... ... ... ... ... ... | — | 1 | 1 | 2 |
| Unqualified proprietors ... ... ... ... | — | 4 | — | 4 |
| Unauthorized persons ... ... ... ... | 6 | 6 | 11 | 23 |
| Judgments given against contraveners :— | | | | |
| Qualified proprietors ... ... ... ... | — | 1 | 2 | 3 |
| ,, managers ... ... ... ... | — | 2 | 3 | 5 |
| Assistant pharmacists ... ... ... ... | — } = 1 | 1 } = 6 | — } = 8 | 1 } = 15 |
| Apprentices ... ... ... ... ... ... | — | 1 | — | 1 |
| Unqualified proprietors ... ... ... ... | — | 1 | — | 1 |
| Unauthorized persons ... ... ... ... | 1 | — | 3 | 4 |
| Cases pending :— | | | | |
| Qualified proprietors ... ... ... ... | 3 | 1 | — | 4 |
| ,, managers ... ... ... ... | 3 | 1 | 3 | 7 |
| Apprentices ... ... ... ... ... ... | — } = 11 | — } = 11 | 1 } = 12 | 1 } = 34 |
| Unqualified proprietors ... ... ... ... | — | 3 | — | 3 |
| Unauthorized persons ... ... ... ... | 5 | 6 | 8 | 19 |
| Cases filed :— | | | | |
| Qualified proprietors ... ... ... ... | — } = 1 | — } = 0 | 1 } = 1 | 1 } = 2 |
| Unqualified proprietors ... ... ... ... | 1 | — | — | 1 |

## PHARMACISTS.

During this year thirty-two new pharmacists were authorized to practise in Egypt. Of these only twelve qualified in Egypt. Of the 949 registered pharmacists in the country in 1921, only 183 were pharmacists with Egyptian qualifications. All the remainder had foreign diplomas. As a result of this, great difficulty is often experienced by this Department in obtaining a sufficiency of Egyptian qualified pharmacists for its service. The difficulty is further increased by the objection of many of them to serve in the Provinces when satisfactory employment is obtainable in pharmacies in Cairo and Alexandria. In spite of this, however, it is satisfactory to report that it has been possible to replace all the assistant pharmacists who were formerly in charge of some of the Government hospital pharmacies by properly qualified men.

## ASSISTANT PHARMACISTS.

Eleven persons have been registered as assistant pharmacists during the year, of whom ten have qualified from the School of Medicine in Cairo and one from Cyprus.

The question of assistant pharmacists and pharmacy apprentices will probably in the near future call for fresh consideration. Law No. 20 of 1911 was formulated principally partly in order to regularize the position of unauthorized persons who had been practising pharmacy for some years and partly to cope with a serious shortage of qualified pharmacists. The supply of assistant pharmacists, however, at present tends to be greater than the demand for them to meet the requirements of pharmacies.

Thus of the 298 persons registered as assistant pharmacists only about two-thirds are actually working in pharmacies ; the remainder are either engaged in wholesale drug

business or have given up pharmacy entirely. There are at the present time 225 apprentices who are registered as serving in pharmacies and at the end of four years a large proportion of these will have obtained their certificates as assistant pharmacists. For reasons of economy pharmacists are accepting apprentices instead of assistants and in consequence the latter find it difficult to obtain situations. This difficulty will continue to increase if the number of apprentices is not limited.

It may be necessary therefore in the near future to raise the standard of the entrance examination for the registered apprentices considerably. Assistant pharmacists who are proprietors of pharmacies continue to evade the law by registering their pharmacies in the name of some near relative or other person. They engage a qualified manager in name only and exploit the pharmacy themselves. A number of *procès-verbaux* have been drawn up during the year against these men for working on their own responsibility during hours not permitted by law and efforts are being made to put an end to this offence.

| | |
|---|---|
| Assistant pharmacists authorized to practise ... ... ... | 298 |
| Apprentices training in pharmacies and registered at the school ... ... ... ... ... ... ... ... ... | 225 |
| Apprentices struck off the register during the year for various reasons ... ... ... ... ... ... ... ... | 21 |
| Apprentices admitted to the school during the year after entrance examination ... ... ... ... ... ... | 13 |

TABLE XXXIX.

| | Cairo. | | Alexandria. | | Provinces. | | Total. | |
|---|---|---|---|---|---|---|---|---|
| Contraventions against Law No. 20 of 1911 :— | | | | | | | | |
| Qualified proprietors ... ... ... ... | — | | 1 | | — | | 1 | |
| ,, managers ... ... ... ... | 1 | | 3 | | 3 | | 7 | |
| Assistant pharmacists ... ... ... ... | — | = 2 | 2 | = 7 | 1 | = 5 | 3 | = 14 |
| Apprentices ... ... ... ... ... ... | 1 | | 1 | | — | | 2 | |
| Unauthorized persons ... ... ... ... | — | | — | | 1 | | 1 | |
| Judgments given against contraveners :— | | | | | | | | |
| Qualified managers ... ... ... ... ... | — | | 2 | | 1 | | 3 | |
| Assistant pharmacists ... ... ... ... | — | = 1 | 2 | = 4 | — | = 1 | 2 | = 6 |
| Apprentices ... ... ... ... ... ... | 1 | | — | | — | | 1 | |
| Cases pending :— | | | | | | | | |
| Qualified proprietors ... ... ... ... | — | | 1 | | — | | 1 | |
| ,, managers ... ... ... ... | 1 | | 1 | | 2 | | 4 | |
| Assistant pharmacists ... ... ... ... | — | = 1 | — | = 3 | 1 | = 4 | 1 | = 8 |
| Apprentices ... ... ... ... ... ... | — | | 1 | | — | | 1 | |
| Unauthorized persons ... ... ... ... | — | | — | | 1 | | 1 | |

*Traffic in Poisonous Plants.*—Five new permits have been granted during the year for dealing in various poisonous plants, bringing the total up to thirty-eight. These are mostly issued to dealers either for the purchase of locally cultivated plants mainly for export or for the admission of such into Egypt from surrounding countries largely for re-exportation.

*Opium.*—A considerable amount of opium is introduced into the country, largely in crude form, from the countries in which it is grown.

Thus in 1921 approximately 7,083 kilos. of the drug were imported into Egypt, of which 3,825 kilos. came from Syria, 1,573 from Persia, 717 from Turkey, 486 from Smyrna, 300 from British India, 64 from the United Kingdom, 52 from Greece, 45 from Palestine, and 21 from other countries. These amounts were imported by regularly authorized dealers.

In addition to the quantity thus introduced from outside a certain quantity is produced within the country. Previous to the war a certain amount of cultivation of the Opium Poppy took place in this country, there being, in 1912, 655 acres and in 1913 561 acres under such cultivation. During the war, with the object of increasing grain supplies, the cultivation of opium within the country was prohibited, and during the period 1914–1920 practically no cultivation of this plant took place in the country. The

restriction, however, was removed at the end of that period and in 1921 there were 1,599 acres under cultivation with the Opium Poppy. The ordinary yield of opium varies from 3·6 to 5·4 kilos. per acre or an average of 4·5 kilos. This would give an approximate yield of crude opium of 7,195·5 kilos. in 1921. This added to the 7,083 kilos. imported gives a total of 14,278·5 kilos. either brought into or produced within the country. As against this the recorded exports in 1921 were 6,318 kilos., leaving 7,960 kilos. apparently remaining in Egypt. Allowance, however, must be made for the unrecorded quantities of this which are taken out of the country by trading caravans. In the subjoined table are given the relative figures for 1919, 1920, and 1921.

TABLE XL.

| Year. | Quantity of Opium Imported in Kilos. | Estimated Yield of Opium from Cultivation within the Country in Kilos. | Recorded Exports of Opium. |
|---|---|---|---|
| **1919** | 112·550 | 144 | — |
| **1920** | 499·954 | 4·5 | — |
| **1921** | 7,082·965 | 7,195·5 | 6,318 |

*Other Narcotic Drugs.*—The authorized imports of cocaine, morphine, heroine, dionine and ext. *cannabis indica* for the years 1919, 1920 and 1921 are shown in the subjoined comparative table.

TABLE XLI.

| Year. | Morphine. | Kilogrammes. | | | |
|---|---|---|---|---|---|
| | | Cocaine. | Heroine. | Dionine. | Extract Cannabis Indica. |
| **1919** | 22·935 | 30·800 | 2·810 | 1·730 | 65·000 |
| **1920** | 22·690 | 69·213 | 4·495 | 6·928 | 23·000 |
| **1921** | 24·170 | 81·435 | 2·528 | 0·743 | 15·000 |

It must be understood that these figures simply represent the quantities imported through the regular channels by pharmacists and authorized poison dealers for medicinal use. The quantities introduced illegally by unauthorized persons cannot of course be ascertained. Some small deduction should be made from the quantities imported to allow for re-exportation, but the amount of this is probably small.

With the object of restricting as far as possible undesirable traffic in such narcotic drugs, legislation is at present under consideration by the Government for the purpose of providing a more stringent control over the introduction of these into the country.

# III.—REPORT ON THE WORK OF SECTION III.

## OPHTHALMIC HOSPITALS.

The Ophthalmic Hospitals of Egypt are distinguished in the fact that twenty special ophthalmic hospitals are grouped under oned irection. This not only enables a large amount of clinical work to be done (113,000 new patients were treated, 65,000 operations were performed, and over a million attendances of out-patients were recorded during last year), but also facilitates the systematic trial of various methods of operation or of treatment.

The travelling hospitals are five in number, three of these are large and completely equipped hospitals in which every sort of ophthalmic operation can be performed and two are smaller though useful units.

There are fifteen specially ophthalmic hospitals in the fourteen provinces of Egypt. These have been provided by local effort and are maintained mostly by the Government, but some by Provincial Councils. Also hospitals are in the course of construction at Qena and Gîza.

The staff of the hospitals is entirely Egyptian with a British Director.

The months of the year during which the pressure on the hospitals is greatest are from June to October. It is probable that this depends on the increased temperature during these months. The exact role, if any, played by flies in the propagation of eye-disease is not exactly known, but is under investigation.

There is a great distinction between acute ophthalmias and the chronic disease trachoma. The acute ophthalmias may, without treatment, cause blindness in a few days, and are the cause of the great increase of patients at the hospitals during the hot weather. The chronic trachoma affects more than 95 per cent of the population; it results very frequently in a depreciation of vision, though less often in blindness.

The ophthalmic inspection and treatment of the pupils in the Government Schools is an important feature of the work of the Ophthalmic Section of the Department of Public Health.

In view of the more restricted interest in the details of ophthalmic work depending upon its peculiarly specialized character, it has been found convenient to exclude the detailed account of the work of this Section from the General Departmental Report and to issue it in the form of a separate publication. Under this arrangement, the annual reports of the Director of Ophthalmic Hospitals are published separately and contain a large amount of special information as well as detailed statistics of various kinds.

TABLE XLII.—SYNOPSIS OF WORK OF HOSPITALS SINCE 1904.

| | 1904 to 1910* | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Hospitals in existence:—* | | | | | | | | | | | | |
| Travelling | 2 | 3 | 4 | 5 | 4 | — | 4 | 4 | 5 | 5 | 5 | 5 |
| Permanent | 1 | 2 | 4 | 7 | 10 | 11 | 13 | 13 | 13 | 13 | 15 | 16 |
| New patients treated | 56,165 | 20,488 | 28,029 | 40,670 | 50,126 | 52,752 | 68,304 | 81,529 | 82,316 | 76,525 | 94,921 | 113,201 |
| Total attendance of out-patients | 807,039 | 236,411 | 341,211 | 544,267 | 686,012 | 735,919 | 849,366 | 903,751 | 922,614 | 906,961 | 1,064,509 | 1,322,074 |
| Operations performed | 44,244 | 14,322 | 21,315 | 30,648 | 40,710 | 42,146 | 54,205 | 59,581 | 54,277 | 49,974 | 56,503 | 65,378 |
| In-patients | 1,616 | 678 | 909 | 1,807 | 2,071 | 2,274 | 2,454 | 2,847 | 3,264 | 3,613 | 4,232 | 4,513 |
| *Details:—* | | | | | | | | | | | | |
| Patients examined | 67,501 | 31,274 | 43,668 | 62,233 | 75,398 | 71,930 | 94,447 | 100,410 | 90,668 | 83,577 | 108,113 | 127,223 |
| Patients regularly treated | 34,228 | 20,488 | 28,029 | 40,670 | 50,126 | 52,752 | 68,304 | 81,529 | 82,316 | 76,525 | 94,921 | 113,201 |
| Incurable cases | 8,628 | 2,620 | 7,200 | 9,544 | 10,554 | 7,765 | 9,871 | 9,675 | 5,650 | 4,467 | 6,400 | 6,727 |
| Blind in one eye | 5,743 | 3,196 | 4,115 | 5,360 | 6,425 | 5,637 | 7,042 | 9,385 | 8,969 | 8,537 | 9,833 | 10,566 |
| Blind in both eyes | 5,247 | 2,811 | 2,824 | 3,878 | 3,591 | 2,992 | 3,504 | 4,611 | 4,261 | 4,278 | 5,154 | 5,053 |
| Trichiasis cases examined | 25,726 | 7,871 | 13,176 | 17,329 | 21,624 | 19,220 | 22,214 | 27,341 | 26,164 | 20,052 | 23,154 | 28,245 |
| „ eyes operated on and cured | 7,412 | 3,933 | 6,942 | 11,700 | 16,542 | 19,149 | 26,094 | 30,200 | 28,890 | 24,611 | 27,081 | 28,939 |
| *New patients treated per age:—* | | | | | | | | | | | | |
| Under 1 year | 1,220 | 761 | 1,495 | 2,700 | 2,472 | 3,023 | 4,031 | 5,168 | 6,434 | 4,824 | 6,306 | 7,002 |
| From 1 to 5 years | 3,727 | 1,903 | 3,317 | 4,631 | 6,394 | 5,762 | 7,865 | 7,938 | 8,607 | 8,562 | 11,277 | 14,229 |
| „ 6 „ 10 „ | 6,813 | 2,101 | 3,210 | 4,786 | 5,634 | 5,229 | 6,985 | 9,217 | 9,213 | 9,097 | 10,544 | 13,104 |
| „ 11 „ 15 „ | 3,618 | 2,051 | 3,056 | 3,799 | 4,570 | 5,651 | 6,275 | 7,965 | 8,483 | 7,479 | 10,126 | 11,430 |
| „ 16 „ 20 „ | 3,484 | 2,067 | 2,588 | 3,253 | 3,949 | 4,491 | 5,752 | 6,748 | 6,826 | 6,159 | 7,096 | 8,652 |
| „ 21 „ 25 „ | 11,204 | 6,116 | 8,167 | 12,679 | 17,257 | 18,492 | 23,017 | 28,028 | 26,904 | 25,671 | 30,732 | 9,101 |
| „ 26 „ 30 „ | | | | | | | | | | | | 10,708 |
| „ 31 „ 35 „ | | | | | | | | | | | | 9,139 |
| „ 36 „ 40 „ | | | | | | | | | | | | 7,991 |
| „ 41 „ 45 „ | 7,104 | 5,589 | 6,196 | 8,822 | 9,850 | 10,104 | 14,379 | 16,465 | 15,849 | 14,733 | 18,840 | 5,438 |
| „ 46 „ 50 „ | | | | | | | | | | | | 5,006 |
| „ 51 „ 55 „ | | | | | | | | | | | | 2,833 |
| „ 56 „ 60 „ | | | | | | | | | | | | 3,358 |
| „ 61 „ 65 „ | | | | | | | | | | | | 2,070 |
| „ 66 „ 70 „ | | | | | | | | | | | | 1,603 |
| Over 70 years | | | | | | | | | | | | 1,537 |

* In 1904 there was only one travelling ophthalmic hospital and there was no permanent ophthalmic hospital until 1907.

# IV.—REPORT ON THE WORK OF SECTION IV.

## INFECTIOUS DISEASES.

The declension in the number of cases of the principal infectious diseases noted as occurring in 1920, has been continued in 1921, and has been much more marked.

During this year, there has been 97 per cent less smallpox, 67 per cent less typhus fever, 58 per cent less relapsing fever, and 25 per cent less plague, than in the previous year.

The following table shows the total number of cases of the principal infectious diseases during the years 1920–1921, with death-rates in each.

TABLE XLIII.

| Diseases. | 1920. | | 1921. | |
|---|---|---|---|---|
| | Total of Cases. | Death rate. | Total of Cases. | Death rate. |
| | | Per Cent. | | Per Cent. |
| Smallpox ... ... ... ... | 3,004 | 26·48 | 92 | 26 |
| Typhus fever ... ... ... | 13,279 | 26·4 | 4,476 | 28·4 |
| Relapsing fever ... ... | 2,876 | 14·6 | 1,217 | 16·27 |
| Plague... ... ... ... ... | 462 | 58·2 | 356 | 42·9 |

### SMALLPOX.

It will be seen that the total number of cases recorded is ninety-two as compared with 3,004 in 1920. This is the smallest number of smallpox cases recorded in this country in any one year during the last twenty-five years. The diminution is due to the effect of the vaccination campaign begun in 1919 and finished early in 1921 during which a total of six million persons were revaccinated.

The following list shows the distribution of smallpox cases which occurred during the years 1920–1921 :—

| | 1920 | 1921 |
|---|---|---|
| Cairo ... ... ... ... ... ... | 171 | 8 |
| Alexandria ... ... ... ... ... | 411 | 9 |
| Port Said ... ... ... ... ... | 84 | 8 |
| Ismailia ... ... ... ... ... ... | 13 | — |
| Suez... ... ... ... ... ... ... | 67 | 3 |
| Damietta ... ... ... ... ... | 17 | — |
| Frontier Districts ... ... ... | 4 | 2 |
| Beheira ... ... ... ... ... ... | 247 | 1 |
| Daqahlîya ... ... ... ... ... | 318 | 6 |
| Gharbîya ... ... ... ... ... | 417 | 13 |
| Minûfîya ... ... ... ... ... | 275 | 2 |
| Qalyûbîya ... ... ... ... ... | 164 | 1 |
| Sharqîya... ... ... ... ... ... | 113 | 6 |
| Gîza... ... ... ... ... ... ... | 12 | 1 |
| Beni Suef ... ... ... ... ... | 7 | 2 |
| Faiyûm ... ... ... ... ... ... | 17 | — |
| Minya ... ... ... ... ... ... | 16 | 8 |
| Asyût ... ... ... ... ... ... | 189 | 18 |
| Girga ... ... ... ... ... ... | 53 | 3 |
| Qena ... ... ... ... ... ... | 222 | 1 |
| Aswân ... ... ... ... ... ... | 187 | — |

The following table shows the number of cases and deaths recorded from smallpox during the last twenty years.

TABLE XLIV.

| Year. | Cases. | Deaths. | Death rate. |
|---|---|---|---|
| | | | Per cent. |
| **1902** | 1,225 | 280 | 22·85 |
| **1903** | 2,357 | 565 | 23·97 |
| **1904** | 4,336 | 1,093 | 25·20 |
| **1905** | 4,186 | 851 | 20·32 |
| **1906** | 1,965 | 409 | 20·50 |
| **1907** | 2,130 | 573 | 26·90 |
| **1908** | 2,578 | 620 | 24·04 |
| **1909** | 4,046 | 1,023 | 25·28 |
| **1910** | 3,117 | 648 | 20·78 |
| **1911** | 2,824 | 737 | 26·09 |
| **1912** | 1,985 | 456 | 22·97 |
| **1913** | 2,934 | 706 | 24·06 |
| **1914** | 7,097 | 1,564 | 22·03 |
| **1915** | 5,222 | 1,262 | 24·16 |
| **1916** | 2,972 | 902 | 30·35 |
| **1917** | 1,567 | 409 | 26·10 |
| **1918** | 1,198 | 306 | 25·54 |
| **1919** | 7,895 | 1,926 | 24·39 |
| **1920** | 3,004 | 796 | 26·48 |
| **1921** | 92 | 24 | 26·00 |

## TYPHUS AND RELAPSING FEVER.

The diminution in these diseases is very satisfactory. Some part of this declension may be attributed to increase in knowledge among the populace of the part played by the louse in the dissemination of these diseases.

The methods of delousing have also been considerably improved and the disinfecting staff is now becoming much more practised in the various procedures.

The following table shows the number of typhus fever cases and deaths recorded during the last ten years :—

TABLE XLV.

| YEAR. | Cases. | Deaths. | Death rate. |
|---|---|---|---|
| | | | Per cent. |
| **1912** | 1,658 | 220 | 13·2 |
| **1913** | 4,936 | 1,438 | 28·9 |
| **1914** | 9,508 | 2,533 | 26·6 |
| **1915** | 17,096 | 4,216 | 25·2 |
| **1916** | 30,507 | 7,096 | 23·2 |
| **1917** | 18,569 | 4,147 | 22·4 |
| **1918** | 24,953 | 6,589 | 26·4 |
| **1919** | 16,970 | 5,569 | 32·8 |
| **1920** | 13,279 | 3,512 | 26·4 |
| **1921** | 4,476 | 1,273 | 28·44 |

The following table shows the incidence of cases and deaths of relapsing fever during the last ten years :—

TABLE XLVI.

| YEAR. | Cases. | Deaths. | Death rate. |
|---|---|---|---|
| | | | Per cent. |
| **1912** | 220 | 19 | 8·63 |
| **1913** | 432 | 45 | 13·15 |
| **1914** | 211 | 28 | 13·27 |
| **1915** | 761 | 72 | 9·46 |
| **1916** | 10,494 | 862 | 8·21 |
| **1917** | 11,162 | 1,043 | 9·34 |
| **1918** | 12,642 | 829 | 6·55 |
| **1919** | 3,272 | 598 | 18·24 |
| **1920** | 2,876 | 430 | 14·60 |
| **1921** | 1,217 | 198 | 16·27 |

## Plague.

The total number of plague cases in 1921 was 356 as compared with 462 in 1920. The number of deaths in 1921 was 153, showing a mortality of 42·9 per cent. The mortality in 1920 was 58·2 per cent.

The death-rate in 1921 is the second lowest recorded since 1899. This is partly due to the diminution in the proportion of pneumonic cases, the most fatal form of the disease. In 1921, the proportion of the pneumonic cases was 3·7 as compared with 7·7 in 1920.

This is satisfactory as indicating the improvement in control which has rendered possible the taking of prompter measures on the first appearances of the disease. This form of the disease is much more susceptible to the effect of preventive work than the bubonic and septicæmic types.

The majority of the cases occurred in the three principal Ports, Alexandria, Port Said, Suez, and in Tanta. These places contributed 268 cases out of the total 356.

The following table gives a recapitulation of the plague statistics from 1899 to 1920 :—

Table XLVII.

| Year. | Cases. | Deaths. | Death rate. |
|---|---|---|---|
| | | | Pur cent. |
| **1899** | 93 | 45 | 48·0 |
| **1900** | 127 | 60 | 47·2 |
| **1901** | 205 | 102 | 49·5 |
| **1902** | 481 | 291 | 60·0 |
| **1903** | 303 | 160 | 52·7 |
| **1904** | 854 | 501 | 58·66 |
| **1905** | 266 | 181 | 68·0 |
| **1906** | 631 | 475 | 75·2 |
| **1907** | 1,253 | 914 | 72·9 |
| **1908** | 1,511 | 780 | 51·6 |
| **1909** | 513 | 207 | 40·5 |
| **1910** | 1,238 | 615 | 49·7 |
| **1911** | 1,656 | 1,041 | 62·9 |
| **1912** | 884 | 441 | 49·9 |
| **1913** | 654 | 304 | 46·5 |
| **1914** | 219 | 111 | 50·7 |
| **1915** | 235 | 120 | 51·0 |
| **1916** | 1,702 | 828 | 48·7 |
| **1917** | 732 | 399 | 54·5 |
| **1918** | 357 | 153 | 42·8 |
| **1919** | 877 | 473 | 53·9 |
| **1920** | 462 | 269 | 58·2 |
| **1921** | 356 | 153 | 42·9 |

The following table gives details of plague cases occurring in 1921* :—

TABLE XLVIII.—DETAILS OF PLAGUE CASES DURING 1921.

| TOWN OR DISTRICT. | GOVERNORATE OR PROVINCE. | Existing. | NEW CASES. | | | DEATHS IN HOSPITAL. | | | Cured. | Remaining. | DEATHS OUT OF HOSPITAL. | | | Total Cases since Commencement of the Year. | Total Deaths. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Bubonic. | Septicæmic. | Pneumonic. | Bubonic. | Septicæmic. | Pneumonic. | | | Bubonic. | Septicæmic. | Pneumonic. | | |
| **Egyptians.** | | | | | | | | | | | | | | | |
| Alexandria ... | Governorate | — | 113 | 1 | — | 31 | 1 | — | 79 | 3 | 8 | 1 | — | 123 | 41 |
| Port Said ... | ,, | — | 23 | 1 | — | 10 | 1 | — | 12 | 1 | 4 | — | — | 28 | 15 |
| Suez ... ... | ,, | — | 62 | 1 | 1 | 27 | 1 | 1 | 30 | 5 | 23 | 1 | 4 | 92 | 57 |
| Tanta ... ... | Gharbîya ... | — | 25 | — | — | 1 | — | — | 24 | — | 1 | — | — | 26 | 2 |
| Kafr el Zayat | ,, ... | — | 4 | — | — | — | — | — | 4 | — | — | — | — | 4 | — |
| Tel el Kebir ... | Sharqîya ... | — | — | 1 | — | — | — | — | 1 | — | — | — | — | 1 | — |
| Biba ... ... | Beni Suef ... | — | 1 | — | — | 1 | — | — | — | — | — | — | — | 1 | 1 |
| Etsa ... ... | Faîyûm ... | — | 1 | — | — | 1 | — | — | — | — | — | — | — | 1 | 1 |
| Minya ... ... | Minya ... | — | 4 | — | — | — | — | — | 4 | — | 1 | — | — | 5 | 1 |
| Beni Mazâr ... | ,, ... | — | 8 | — | — | 1 | — | — | 7 | — | 1 | — | — | 9 | 2 |
| El Fashn ... | ,, ... | — | 10 | — | — | 1 | — | — | 9 | — | 2 | — | — | 12 | 3 |
| Maghâgha ... | ,, ... | — | — | — | — | — | — | — | — | — | — | — | 1 | 1 | 1 |
| Samallût ... | ,, ... | — | 1 | — | — | — | — | — | 1 | — | 1 | — | — | 2 | 1 |
| Mallawi ... ... | Asyût ... | — | 10 | 1 | — | 3 | 1 | — | 7 | — | 2 | 2 | — | 15 | 8 |
| Deirût ... ... | ,, ... | — | 2 | — | — | 1 | — | — | 1 | — | 2 | 1 | — | 5 | 4 |
| Sohâg ... ... | Girga ... ... | — | 3 | — | — | — | — | — | 3 | — | — | — | — | 3 | — |
| Tahta ... ... | ,, ... | — | — | — | 5 | — | — | 5 | — | — | — | — | 2 | 7 | 7 |
| Qûs... ... ... | Qena ... ... | — | — | — | — | — | — | — | — | — | — | 1 | — | 1 | 1 |
| | TOTAL ... ... | — | 276 | 5 | 6 | 77 | 4 | 6 | 182 | 9 | 45 | 6 | 7 | 336 | 145 |
| **Foreigners.** | | | | | | | | | | | | | | | |
| Alexandria ... | Governorate | — | 14 | — | — | 5 | — | — | 8 | 1 | — | — | — | 14 | 5 |
| Port Said ... | ,, | — | 4 | — | — | 1 | — | — | 3 | — | — | 1 | — | 5 | 2 |
| Suez ... ... | ,, | — | — | — | — | — | — | — | — | — | 1 | — | — | 1 | 1 |
| | TOTAL ... ... | — | 18 | — | — | 6 | — | — | 11 | 1 | 1 | 1 | — | 20 | 8 |
| | GRAND TOTAL ... | — | 285 | 5 | 6 | 83 | 4 | 6 | 193 | 10 | 46 | 7 | 7 | 356 | 153 |

## MALARIA.

The amount of malaria in the country was normal. So far, there has been no obvious spread of the disease in spite of the introduction of a large amount of infection as a result of the movement caused by the war. In this respect, the country has been fortunate in having a series of very moderate nile floods during the past few years. In 1921, the money granted to the Anti-Malaria Commission for the purpose of carrying out major works had to be cut down to about one-third of the normal amount owing to financial stringency.

* A special pamphlet entitled "Plague in Egypt in 1921" is being published.

Under these circumstances, the new work was confined to the most urgent areas, namely Dirr, Shellal, Oases of Kharga and Siwa, and the Fayûm. In addition, certain works in the town of Zagazig, which had been commenced in the previous year, were finished.

During the year, 160 *birkas* and over 700 wells were stocked with fish.

The following table shows the number of malaria cases notified during the year 1920 and during the year 1921 :—

TABLE XLIX.—MALARIA CASES.

| LOCALITY. | 1920 | 1921 | LOCALITY. | 1920 | 1921 |
|---|---|---|---|---|---|
| | | | *Brought forward* ... | 150 | 295 |
| Cairo ... ... ... ... ... | 18 | 6 | Sharqîya ... ... ... ... | 13 | 19 |
| Alexandria ... ... ... ... | 16 | 2 | Daqahlîya ... ... ... ... | 1 | 2 |
| Port Said ... ... ... ... | 15 | 24 | Gîza ... ... ... ... ... | 1 | 1 |
| Ismailia ... ... ... ... | 2 | 29 | Beni Suef ... ... ... ... | 9 | 3 |
| Damietta ... .. ... ... | 46 | 74 | Faiyûm ... ... ... ... | 38 | 22 |
| Suez ... ... ... ... ... | 14 | 131 | Minya ... ... ... ... ... | 14 | 5 |
| Beheira ... ... ... ... | 9 | 9 | Asyût ... ... ... ... ... | 19 | 8 |
| Gharbîya ... ... ... ... | 4 | 10 | Girga ... . . ... | 1 | 1 |
| Minûfîya ... ... ... ... | 19 | 4 | Qena ... ... ... ... ... | 30 | 10 |
| Qalyûbîya ... ... ... ... | 7 | 6 | Aswân ... ... ... ... ... | 1,594 | 1,646 |
| *Caried forward* ... | 150 | 295 | TOTAL ... ... | 1,870 | 2,012 |

## INFLUENZA.

There was no serious outbreak of influenza. The type was mild. The number of cases notified during the year was 5,811.

In Table L are given the statistical figures of the notifiable infectious diseases recorded throughout governorates and provinces of Egypt during 1921 with the deaths occurring therefrom.

## ANTHRAX AND SHAVING BRUSHES.

During the year, the Department found it necessary to issue an *arrêté* prohibiting the importation of all shaving brushes manufactured in Japan.

Similar action has been taken by several other countries, including Great Britain. In the autumn, numerous communications from the Japanese authorities were transmitted to the Department showing that a serious effort was being made in Japan to eradicate the danger and in consequence a partial removal of the embargo on the importation of Japanese shaving brushes into this country was under consideration at the end of the year in review.

## ENCEPHALITIS LETHARGICA.

Owing to the occurrence of several cases of encephalitis lethargica, this disease was added to the schedule of the notifiable infectious diseases. Six cases were notified.

## MULIDS.

The Department gave its opinion regarding the holding of sixty-six *mulids*, the period of each varying between seven and fifteen days.

TABLE L.—NOTIFIABLE INFECTIOUS DISEASES RECORDED THROUGHOUT GOVERNORATES AND PROVINCES OF EGYPT AND DEATHS OCCURRING THEREFROM DURING 1921.

| Notifiable Infectious Diseases. | | Governorates. | | | | | | | Lower Egypt. | | | | | | Upper Egypt. | | | | | | | | Total. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cairo. | Alexandria. | Canal. Ismailia. | Canal. Port Said. | Damietta. | Suez. | Frontiers Districts Administration. | Beheira. | Daqahliya. | Gharbiya. | Minûfiya. | Qalyûbiya. | Sharqiya. | Asyût. | Aswân. | Beni Suef | Faiyûm. | Girga. | Giza. | Minya | Qena. | 1921 | 1920 |
| Cerebro-spinal meningitis | C | 17 | 7 | — | 5 | 4 | — | — | 1 | 1 | 3 | — | — | 2 | 2 | — | — | 1 | — | — | — | 1 | 44 | 44 |
| | D | 6 | 4 | — | 1 | 1 | 1 | — | 1 | 1 | 2 | — | — | — | 1 | — | — | — | — | — | — | — | 18 | 28 |
| Chicken-pox | C | 232 | 54 | 1 | 4 | 4 | 7 | — | 5 | 2 | 4 | 7 | — | — | — | 1 | 9 | 6 | 2 | — | — | 37 | 375 | 450 |
| | D | — | — | — | — | — | — | — | — | — | — | 1 | — | — | — | — | — | — | — | — | — | — | 1 | 7 |
| Cholera | C | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 1 |
| | D | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Diphtheria | C | 438 | 61 | 10 | 18 | 7 | 9 | — | 3 | 19 | 59 | 25 | 10 | 32 | 21 | 15 | 21 | 37 | 42 | 11 | 17 | 14 | 869 | 817 |
| | D | 136 | 23 | 6 | 8 | 5 | 4 | — | 3 | 12 | 32 | 12 | 5 | 8 | 8 | 7 | 12 | 18 | 23 | 3 | 7 | 4 | 336 | 309 |
| Measles | C | 282 | 288 | 2 | 13 | 4 | 12 | 50 | 60 | 194 | 73 | 213 | 5 | 47 | 549 | 162 | 18 | 5 | 114 | 78 | 108 | 772 | 3,049 | 9,225 |
| | D | 109 | 30 | 1 | 4 | — | 1 | 10 | 20 | 88 | 7 | 95 | — | 26 | 407 | 40 | 1 | 2 | 48 | 15 | 41 | 309 | 1,254 | 3,749 |
| Plague | C | — | 137 | — | 33 | — | 93 | — | — | — | 30 | — | — | 1 | 20 | — | 1 | 1 | 10 | — | 29 | 1 | 356 | 462 |
| | D | — | 46 | — | 17 | — | 58 | — | — | — | 2 | — | — | — | 12 | — | 1 | 1 | 7 | — | 8 | 1 | 153 | 269 |
| Relapsing fever | C | 168 | 44 | 24 | 15 | 2 | 3 | — | 80 | 8 | 42 | 256 | 14 | 5 | 23 | 2 | 25 | 6 | 31 | 13 | 302 | 154 | 1,217 | 2,876 |
| | D | 12 | 1 | — | 1 | — | — | — | 17 | 2 | 6 | 47 | — | — | 5 | — | 1 | — | 9 | 1 | 63 | 33 | 198 | 430 |
| Scarlet fever | C | 72 | 79 | — | — | — | 3 | — | — | 3 | 8 | — | — | — | — | — | — | — | — | — | 1 | — | 166 | 135 |
| | D | 4 | 11 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 15 | 19 |
| Smallpox | C | 8 | 9 | — | 8 | — | 3 | 2 | 1 | 6 | 13 | 2 | 1 | 6 | 18 | — | 2 | — | 3 | 1 | 8 | 1 | 92 | 3,004 |
| | D | 5 | 2 | — | 2 | — | — | — | 1 | 1 | 4 | 1 | — | 1 | 5 | — | — | — | 2 | — | — | — | 24 | 796 |
| Typhoid fever | C | 674 | 290 | 17 | 39 | 9 | 73 | 7 | 7 | 37 | 37 | 7 | 1 | 15 | 55 | 7 | 7 | 24 | 20 | 6 | 19 | 29 | 1,380 | 1,803 |
| | D | 168 | 75 | 2 | 12 | 2 | 15 | 1 | 1 | 3 | 19 | 2 | 1 | 2 | 16 | 2 | 3 | 9 | 7 | 2 | 3 | 1 | 346 | 426 |
| Typhus (exanthematic) | C | 390 | 129 | 6 | 11 | 11 | 7 | — | 845 | 177 | 592 | 858 | 33 | 106 | 272 | 334 | 36 | 29 | 173 | 127 | 35 | 285 | 4,476 | 13,279 |
| | D | 202 | 54 | 3 | 1 | 6 | 6 | — | 216 | 39 | 141 | 178 | 8 | 27 | 103 | 82 | 6 | 8 | 71 | 35 | 25 | 62 | 1,273 | 3,512 |
| Other notifiable infectious diseases. | C | 2,363 | 336 | 36 | 186 | 157 | 287 | 357 | 190 | 977 | 951 | 886 | 78 | 322 | 146 | 232 | 96 | 162 | 51 | 59 | 155 | 355 | 8,382 | 7,100 |
| | D | 232 | 107 | 3 | 39 | 20 | 26 | 27 | 79 | 396 | 228 | 224 | 12 | 43 | 28 | 39 | 16 | 29 | 16 | 10 | 21 | 77 | 1,672 | 1,247 |
| Total — Year 1921 | C | 4,644 | 1,434 | 96 | 332 | 198 | 497 | 416 | 1,192 | 1,424 | 1,812 | 2,254 | 142 | 536 | 1,106 | 753 | 215 | 271 | 466 | 295 | 674 | 1,649 | 20,406 | — |
| | D | 874 | 353 | 15 | 85 | 34 | 111 | 38 | 338 | 542 | 441 | 560 | 26 | 107 | 585 | 170 | 40 | 67 | 183 | 66 | 168 | 487 | 5,290 | — |
| „ 1920 | C | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 39,196 |
| | D | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 10,792 |
| Deaths rate ‰ cases | | 188 | 246 | 156 | 259 | 171 | 223 | 91 | 281 | 380 | 242 | 248 | 183 | 199 | 528 | 225 | 186 | 243 | 394 | 223 | 569 | 295 | 259 | — |

(C=Cases. D=Deaths.)

## Pilgrimage.

The total number of pilgrims proceeding from Egypt this year was 2,834. They were all vaccinated against cholera before leaving Suez. The size of the pilgrimage is gradually increasing. The figures since 1916–1921 are as follows :—

| Year. | Figures. | Year. | Figures. |
|---|---|---|---|
| **1916** | 1,076 | **1919** | 444 |
| **1917** | 281 | **1920** | 1,657 |
| **1918** | 464 | **1921** | 2,959 |

Previous to the war, the number of pilgrims averaged about 13,000 per annum.

No epidemics were reported from the Hedjaz during the pilgrimage. A case of cholera occurred at Tor among the returning pilgrims, the patient being an Egyptian.

The Egyptian pilgrims were, as usual, carefully traced on their return to Egypt, and those who showed any intestinal symptoms whatever had their stools bacteriologically examined. No further cases occurred.

In connection with international regulation forbidding the landing in Egypt of non-Egyptian pilgrims returning from the Hedjaz to countries north of Suez, the Department received numerous requests from various sources to permit the suspension of this regulation.

The necessity for these requests being made was due to the fact that the Governments concerned had not taken steps to insure returning shipping facilities for such of their nationals as had made the pilgrimage.

It will be necessary before the 1922 pilgrimage to take steps to bring to the notice of the Governments concerned that the landing of parties of the pilgrim class in Egypt, where they form a floating and uncontrolled population, exposes this country to the risk of a danger which it is not prepared to accept.

The Medical Officer in charge of the Mahmal Escort reported that facilities for hospitalization of pilgrims in the Hedjaz in Jedda and Mecca are practically non-existent. His stock of drugs which he takes with him for the Egyptian pilgrims was exhausted before he reached Jedda on the return journey owing to the importunate demands of the notables of Mecca.

Under these circumstances, it will be necessary to consider the whole question of the provision of treatment and hospitalization for the Eyptian pilgrims in the Hedjaz and the Department is drawing up a scheme for this purpose.

The desert patrols were maintained in Sinai and the Red Sea littoral for the purpose of stopping Egyptian pilgrims returning by an unauthorized route to escape quarantine. These patrols intercepted a total of twenty-one pilgrims, all of which came by the Sinai route and none by the Red Sea.

## Passenger and Immigrant Control.

Under this system, 114,553 persons arriving from countries infected or suspected to be infected with cholera had their addresses taken. Of these 106,323 were traced.

The control of passengers returning to Egypt *via* Qantara referred to in previous reports has been continued during the year.

The following list shows the number of men returning to Egypt *via* Qantara in 1921 :—

| | |
|---|---|
| Total number ... ... ... ... ... ... ... ... ... ... ... ... ... | 73,581 |
| Observed ... ... ... ... ... ... ... ... ... ... ... ... ... ... | 67,151 |
| Not observed ... ... ... ... ... ... ... ... ... ... ... ... ... ... | 6,430 |
| Percentage found ... ... ... ... ... ... ... ... ... ... ... ... | 91·26 |

Table LI.—Passenger Control Figures.

| | Alexandria. | Port Said. | Suez. | Total Passengers landed. |
|---|---|---|---|---|
| Found ... ... ... ... ... | 17,722 | 12,991 | 7,143 | 37,856 |
| Not found ... ... ... ... | 85 | 855 | 860 | 1,800 |
| Total ... ... ... | 17,807 | 13,846 | 8,003 | 39,656 |
| Percentage found... ... | 99·52 | 93·85 | 89·3 | 95·4 |

190 sailing ships arrived at Damietta with sixteen passengers and 1,316 sailors, all of whom were found and observed.

The usual passenger control figures are given on the following table.

## Table LII.—Annual Statistics for 1921 of Passengers who landed at Alexandria from Ships coming from Cholera-infected Countries.

| Months. | Passengers for Cairo. | | | | | | Passengers for Interior. | | | | | | Passengers remained at Alexandria. | | | | | | Passengers in Transit. | | | | | | Total. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1st and 2nd Class. | | | 3rd Class. | | | 1st and 2nd Class. | | | 3rd Class. | | | 1st and 2nd Class. | | | 3rd Class. | | | 1st and 2nd Class. | | | 3rd Class. | | | 1st and 2nd Class. | | | 3rd Class. | | |
| | Found. | Not found. | Percentage found. | Found. | Not found. | Percentage found. | Found. | Not found. | Percentage found. | Found. | Not found. | Percentage found. | Found. | Not found. | Percentage found. | Found. | Not found. | Percentage found. | Found. | Not found. | Percentage found. | Found. | Not Found. | Percentage Found. | Found. | Not found. | Percentage found. | Found. | Not found. | Percentage found. |
| | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % | | | % |
| January ... ... ... ... | 142 | — | 100 | 128 | 1 | 99 | 59 | — | 100 | 166 | — | 100 | 221 | — | 100 | 399 | 1 | 99 | 10 | — | 100 | 15 | — | 100 | 432 | — | 100 | 708 | 2 | 99 |
| February ... ... ... | 90 | 1 | 99 | 116 | 1 | 99 | 43 | — | 100 | 96 | 1 | 99 | 209 | — | 100 | 406 | — | 100 | 6 | 5 | 55 | 11 | 2 | 85 | 348 | 6 | 98 | 629 | 4 | 99 |
| Mareh ... ... ... ... | 118 | 2 | 98 | 116 | — | 100 | 48 | — | 100 | 138 | 5 | 96 | 202 | — | 100 | 419 | 4 | 99 | 5 | — | 100 | 10 | 1 | 91 | 373 | 2 | 99 | 683 | 10 | 99 |
| April ... ... ... ... | 62 | — | 100 | 99 | — | 100 | 22 | 2 | 91·66 | 79 | — | 100 | 223 | — | 100 | 454 | 2 | 99 | ' | — | 100 | 8 | — | 100 | 314 | 2 | 99 | 640 | 2 | 99 |
| May ... ... ... ... | 34 | — | 100 | 82 | 2 | 98 | 17 | — | 100 | 106 | — | 100 | 150 | — | 100 | 399 | — | 100 | 1 | — | 100 | 4 | — | 100 | 202 | — | 100 | 591 | 2 | 99 |
| June ... ... ... ... | 26 | 1 | 96 | 77 | — | 100 | 10 | — | 100 | 85 | — | 100 | 177 | — | 100 | 352 | — | 100 | 2 | — | 100 | 7 | — | 100 | 215 | 1 | 99 | 521 | — | 100 |
| July ... ... ... ... | 110 | 1 | 99 | 123 | — | 100 | 43 | — | 100 | 210 | — | 100 | 213 | — | 100 | 336 | — | 100 | 2 | 1 | 67 | 3 | — | 100 | 367 | 2 | 99 | 672 | — | 100 |
| August ... ... ... ... | 83 | 1 | 99 | 115 | — | 100 | 46 | 2 | 95·83 | 124 | — | 100 | 202 | — | 100 | 471 | 2 | 99 | 4 | — | 100 | 14 | — | 100 | 335 | 3 | 99 | 724 | 2 | 99 |
| September ... ... ... | 210 | 2 | 99 | 304 | 3 | 99 | 143 | — | 100 | 312 | — | 100 | 505 | — | 100 | 900 | — | 100 | 3 | 1 | 75 | 21 | 2 | 91 | 861 | 3 | 99 | 1,537 | 5 | 99 |
| October ... ... ... ... | 460 | 6 | 99 | 498 | 4 | 99 | 275 | — | 100 | 496 | 2 | 89 | 816 | — | 100 | 1,339 | 3 | 99 | 10 | 2 | 83 | 32 | — | 100 | 1,561 | 8 | 99 | 2,365 | 9 | 99 |
| November ... ... ... | 277 | 3 | 99 | 258 | — | 100 | 76 | — | 100 | 179 | 3 | 98 | 478 | — | 100 | 926 | 2 | 99 | 3 | 4 | 43 | 12 | — | 100 | 834 | 7 | 99 | 1,375 | 5 | 99 |
| December ... ... ... | 121 | 3 | 98 | 145 | 2 | 99 | 56 | — | 100 | 168 | 2 | 99 | 270 | 1 | 99·63 | 636 | 2 | 99 | 15 | — | 100 | 24 | — | 100 | 462 | 4 | 99 | 973 | 6 | 99 |
| Total ... | 1,733 | 20 | 99 | 2,061 | 13 | 99 | 838 | 4 | 99·52 | 2,159 | 13 | 99 | 3,665 | 1 | 99·97 | 7,037 | 16 | 99 | 68 | 13 | 84 | 161 | 5 | 97 | 6,304 | 38 | 99 | 11,418 | 47 | 99 |

### Total of Ships during 1921.

| | Jan. | Feb. | March | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From Ports "Under Arrêté" or "Supplementary Measures" ... | 62 | 51 | 69 | 72 | 70 | 84 | 98 | 95 | 103 | 113 | 69 | 59 | 945 |
| From other ports... ... ... ... | 93 | 59 | 93 | 80 | 91 | 85 | 107 | 120 | 123 | 148 | 98 | 91 | 1,188 |

### Total number of Passengers.

| | | |
|---|---|---|
| Found ... ... | 17,722 | Percentage of passengers found, 99·52 per cent |
| Not found ... | 85 | |
| Total (general) ... | 17,807 | |

TABLE LIII.—TOTAL PASSENGERS ENTERING EGYPT THROUGH PORT TAUFIQ AND RESULT OF OBSERVATIONS DURING 1921.

| MONTHS. | Cairo. | | | Alexandria. | | | Canal. | | | Interior. | | | TOTAL. | | | Percentage found. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | F. | N.F. | T. | F. | N.F. | T. | F. | N.F. | T. | F. | N.F. | T. | F. | N.F. | Total. | |
| January ... | 53 | 13 | 66 | 24 | 1 | 25 | 412 | 8 | 420 | 73 | 65 | 138 | 562 | 87 | 649 | 86 |
| February | 52 | 4 | 56 | 11 | 4 | 15 | 317 | 5 | 322 | 81 | 55 | 136 | 461 | 68 | 529 | 87 |
| March ... | 77 | 21 | 98 | 57 | 14 | 71 | 290 | 12 | 302 | 86 | 67 | 153 | 510 | 114 | 624 | 82 |
| April ... | 68 | 2 | 70 | 30 | 8 | 38 | 458 | — | 458 | 189 | 31 | 220 | 745 | 41 | 786 | 95 |
| May... ... | 45 | 17 | 62 | 38 | 12 | 50 | 440 | 2 | 442 | 72 | 22 | 94 | 595 | 53 | 648 | 91 |
| June... ... | 33 | 8 | 41 | 18 | 15 | 33 | 272 | — | 272 | 94 | 45 | 139 | 417 | 68 | 485 | 86 |
| July... ... | 32 | 12 | 44 | 21 | 8 | 29 | 388 | 21 | 409 | 93 | 37 | 130 | 534 | 78 | 612 | 87 |
| August ... | 22 | 16 | 38 | 23 | 7 | 30 | 231 | 15 | 246 | 92 | 58 | 150 | 368 | 96 | 464 | 80 |
| Septembre | 131 | 7 | 138 | 64 | 18 | 82 | 327 | 6 | 333 | 169 | 33 | 202 | 691 | 64 | 755 | 91 |
| October ... | 83 | 18 | 101 | 136 | 14 | 150 | 621 | 7 | 628 | 202 | 45 | 247 | 1,042 | 84 | 1,126 | 92 |
| November | 55 | 1 | 56 | 22 | 2 | 24 | 427 | 5 | 432 | 116 | 36 | 152 | 620 | 44 | 664 | 93 |
| December | 90 | 10 | 100 | 20 | 1 | 21 | 432 | 5 | 437 | 56 | 47 | 103 | 598 | 63 | 661 | 90 |
| TOTAL ... | 741 | 129 | 870 | 464 | 104 | 568 | 4,615 | 86 | 4,701 | 1,323 | 541 | 1,864 | 7,143 | 860 | 8,003 | 89 |
| Percentage | 85 | 14 | — | 81 | 18 | — | 98 | 1 | — | 71 | 29 | — | 89 | 10 | — | — |

TABLE LIV.—DETAILED STATISTICS OF PASSENGERS WHO LANDED IN PORT SAID FROM CHOLERA-INFECTED COUNTRIES DURING 1921.

| DESTINATION. | 1ST AND 2ND CLASS. | | | 3RD CLASS AND DOCK PASSENGERS. | | |
|---|---|---|---|---|---|---|
| | Found. | Not found. | Percentage of found. | Found. | Not found. | Percentage of found. |
| | | | Per Cent. | | | Per Cent. |
| Cairo ... ... ... | 1,360 | 159 | 86 | 1,508 | 276 | 95 |
| Alexandria ... ... | 267 | 48 | 85 | 341 | 104 | 77 |
| Interior ... ... ... | 198 | 6 | 97 | 1,071 | 195 | 85 |
| Port Said ... ... | 805 | 32 | 96 | 7,441 | 30 | 99 |
| TOTAL ... ... | 2,630 | 245 | 91 | 10,361 | 605 | 94 |

Total passengers of all classes landed at Port Said from cholera-infected countries in 1921, 13,846; total found, 12,991; total not found, 850; not yet reported on, 5; percentage of found of all classes, 93·85 per cent.

# V.—REPORT ON THE WORK OF THE PUBLIC HEALTH LABORATORIES.

## 1.—INTRODUCTION.

The total number of examinations carried out in the laboratories during the year was 20,075, as compared with 18,411 in 1920, showing, as usual, a steady increase.

The extension of the laboratories was completed during the year and the new rooms taken over in the autumn.

Arrangements were made by the Ministry of Public Works that as little interference as possible should be caused in the routine work of the laboratories, but as the extension involved not only the construction of a new wing but also the re-arrangement of much of the old building, work was naturally carried out under considerable difficulties.

The building is now practically completed and provides adequate accommodation for the routine work as well as provision for special investigation into some of the more important diseases of the country.

The Department has entered into negociations with the London School of Tropical Medicine with a view to obtaining the services of a professor of the School for a period during the coming year for investigation work into the ætiology of anchylostoma and bilharzia. Professor Leiper visited Egypt at the end of the year to make preliminary arrangements, and it is hoped that the work will begin in April next.

Arrangements have also been made with the governing body of the Lister Institute for two members of their staff to work at the question of typhus fever in the Public Health Laboratories for five months in 1922, and this work will begin early in February.

In connection with the Malaria Census carried out by the Epidemic Service of the Department during the year, a large number of blood films were examined and three Medical Officers attached to the Epidemic Service were selected by a board and drafted to the laboratories for this and other epidemic work.

Three Egyptian bacteriologists were given special leave for study in Europe: they attended courses of Tropical Medicine in the London School of Tropical Medicine and two obtained the diploma in Tropical Medicine of the University of London. One of these bacteriologists also attended courses in Public Health and carried out a bacteriological research at the Lister Institute, London.

During the time of the pilgrimage a bacteriologist and a laboratory-attendant were detailed to Suez and worked in the laboratory there carrying out the necessary bacteriological examinations in connection with the returning pilgrims.

As stated in previous reports, apart from the question of diagnosis, the laboratories are constantly referred to by the different Services of the Department of Public Health and other Government Administrations for advice and assistance on various questions of a scientific nature pertaining to public health, and public health projects such as water supplies, drainage installations, etc., are submitted for technical opinion. This branch of the activities of the laboratories is becoming increasingly important, and the steadily increasing number of questions passed to the laboratories for study and technical advice together with work in connection with a number of committees now occupies a large amount of the time of the Director and the Sub-Director.

Assistance in the form of advice, vaccine, cultures, etc., has been given to the Palestine Medical Service as well as to the British Forces in Egypt.

A considerable amount of research and investigation has been carried out during the year; this has been mainly in connection with the routine work of the laboratories and special points referred to the laboratories by other sections of the Government Administrations.

In regard to the Wassermann tests which are regularly made in the laboratories, an investigation has been commenced on the relations to this reaction of some of the flocculation methods which have been recently advocated.

A stock of standard cultures of various organisms has been obtained from the National Collection, London, and a register instituted.

## 2.—BACTERIOLOGICAL SECTION.

The following table gives a list of the examinations made under their several headings. The figures do not include the specimens of water examined bacteriologically ; these are given in the report on the Water Service :—

TABLE LV.

| NATURE OF SPECIMENS. | Government. | Private. | TOTAL. |
|---|---|---|---|
| Cholera... ... ... ... ... ... ... ... ... ... ... ... ... | 71 | — | 71 |
| Plague ... ... ... ... ... ... ... ... ... ... ... ... ... | 713 | 1 | 714 |
| Cerebro-spinal meningitis... ... ... ... ... ... ... ... | 6 | 7 | 13 |
| Diphtheria ... ... ... ... ... ... ... ... ... ... ... ... | 559 | 868 | 1,427 |
| Malaria and relapsing fevers ... ... ... ... ... ... ... | 7,315 | 49 | 7,364 |
| Cultural examination for enteric ... ... ... ... ... ... | 32 | 10 | 42 |
| „ „ dysentery (and microscopic) ... | 13 | 19 | 32 |
| Agglutination reaction for Malta fever ... ... ... ... ... | 134 | 14 | 148 |
| „ „ enteric „ ... ... ... ... ... | 912 | 241 | 1,153 |
| „ „ Weil-Felix ... ... ... ... ... | 1,207 | 41 | 1,248 |
| Influenza ... ... ... ... ... ... ... ... ... ... ... ... | 316 | — | 316 |
| Wassermann reaction ... ... ... ... ... ... ... ... | 638 | 8 | 646 |
| Films for gonorrhœa and Spirochæta pallida ... ... ... | 1,453 | 2 | 1,455 |
| Sputum for tuberculosis ... ... ... ... ... ... ... ... | 368 | 6 | 374 |
| Urine and faeces for bilharzia ova ... ... ... ... ... ... | 28 | 7 | 35 |
| Anthrax ... ... ... ... ... ... ... ... ... ... ... ... | 434 | — | 434 |
| Miscellaneous ... ... ... ... ... ... ... ... ... ... | 49 | 11 | 60 |
| GRAND TOTAL ... ... | 14,248 | 1,284 | 15,532 |

## 3.—CHEMICAL SECTION.

The following chemical analyses have been performed during 1921 :—

TABLE LVI.

| SAMPLES RECEIVED FROM | Water and Sewage. | MANZUL HALÂWA. ETC. | | BUTTER FAT. | | BUTTER. | | | EDIBLE OILS. | | MILK. | | | | Magnesium Sulphate, Sodium Sulphate and Epsom Salt. | Drugs, etc. | Miscellaneous. | TOTAL. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Narcotics or Alkaloids. | | | | | Adulterated | | | | | | | | | | | |
| | | Present. | Absent. | Genuine. | Adulterated by admixture with other Fats. | Genuine. | by admixture with other fats. | Containing an excessive amount of water. | Genuine. | Adulterated by admixture with other Oils. | Genuine. | Adulterated. | Doubtful (kind of milk not stated). | Abnormal. | | | | |
| Government Administrations | 114 | 12 | 11 | 28 | 11 | 5 | 7 | — | 34 | 3 | 1,207 | 335 | 50 | 56 | 191 | 251 | 288 | 2,603 |
| British Army ... | 3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 6 | 7 | 16 |
| Priv. individuals | 3 | — | — | 4 | — | — | — | — | 1 | — | 1 | — | — | — | — | 1 | 3 | 13 |
| GRAND TOTAL | 120 | 12 | 11 | 32 | 11 | 5 | 7 | — | 35 | 3 | 1,208 | 335 | 50 | 56 | 191 | 258 | 298 | 2,632 |

In addition to the above, the following analyses were performed :—

12 samples of condensed milk for the Department of Public Health.

1 sample of human milk.

The miscellaneous analyses in the preceding table are made up as follows :—

TABLE LVII.

| NATURE OF SPECIMENS. | Government. | Military. | Private. | TOTAL. |
|---|---|---|---|---|
| Alum ... ... ... ... ... ... ... ... ... | 2 | — | — | 2 |
| Bleaching powder ... ... ... ... ... ... | 109 | 7 | — | 116 |
| Bread ... ... ... ... ... ... ... ... ... | 18 | — | — | 18 |
| Canned foods ... ... ... ... ... ... ... | 24 | — | — | 24 |
| Cheese ... ... ... ... ... ... ... ... ... | 8 | — | — | 8 |
| Coffee ... ... ... ... ... ... ... .. ... | 4 | — | 1 | 5 |
| Disinfectants ... ... — .. ... ... ... | 20 | — | — | 20 |
| Flour ... ... ... ... ... ... ... ... ... | 8 | — | 2 | 10 |
| Fruits and jams ... ... ... ... ... ... ... | 44 | — | — | 44 |
| Rice ... ... ... ... ... ... ... ... ... | 3 | — | — | 3 |
| Sand ... ... ... ... ... ... ... ... ... | 5 | — | — | 5 |
| Stomach contents ... ... ... ... ... ... ... | 4 | — | — | 4 |
| Tea ... ... ... ... ... ... ... ... ... | 7 | — | — | 7 |
| Vinegar ... ... ... ... ... ... ... ... | 14 | — | — | 14 |
| Varions ... ... ... ... ... ... ... ... | 18 | — | — | 18 |
| GRAND TOTAL ... ... | 288 | 7 | 3 | 298 |

## MILK ANALYSES.

The collection of samples of milk by the Cairo City Health Inspectorate and the Provincial Health Offices was continued in 1921. 1,250 samples were collected in Cairo and 370 in the provinces. A summary of the results (which are included in the table of chemical analyses) is appended :—

TABLE LVIII.—MILK ANALYSES.

| SAMPLES RECEIVED FROM. | Number of Samples Analysed | GENUINE. | | ADULTERATED. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Watered. | | Skimmed. | | Skimmed and Watered. | | Total. | |
| | | No. | Per Cent | No. | Per Cent | No. | Per Cent | No. | Per Cent | No. | Per Cent |
| Cairo City Health Inspectorate ... | 1,206 | 986 | 81·7 | 82 | 6·8 | 101 | 8·4 | 37 | 3·1 | 220 | 18·3 |
| Port Said ,, ,, | 116 | 94 | 81 | 20 | 17·2 | 1 | ·9 | 1 | ·9 | 22 | 19 |
| Ismailia ,, ,, | 94 | 59 | 62·8 | 34 | 36·2 | 1 | 1 | — | — | 35 | 37·2 |
| Suez ,, ,, | 88 | 49 | 55·7 | 33 | 37·5 | 5 | 5·7 | 1 | 1·1 | 39 | 44·3 |
| Shibîn el Kôm Government Hospital | 14 | 12 | 85·7 | 2 | 14·3 | — | — | — | — | 2 | 14·3 |
| TOTAL... ... | 1,518 | 1,200 | 79 | 171 | 11·3 | 108 | 7·1 | 39 | 2·6 | 318 | 21 |
| | 56 | Found abnormal. | | | | | | | | | |
| | 46 | Result doubtful (kind of milk not being stated). | | | | | | | | | |
| GRAND TOTAL ... | 1,620 | | | | | | | | | | |

## 4.—WATER SERVICE.

The number of analyses of water, aerated waters, etc., made for all purposes during 1921, were as follows :—

TABLE LIX.

| *Bacteriological.* | Number of Samples. | Examined for Total Bacteria. | Examined for Lactose Fermenters. |
|---|---|---|---|
| Cairo :— | | | |
| Rôd el Farag supply ... ... ... ... | 448 | 448 | 439 |
| Gîza supply... ... ... ... ... ... | 274 | 274 | 271 |
| Meʿâdi supply ... ... ... ... ... | 341 | 341 | 333 |
| Daily samples of tap water ... ... | 292 | 292 | — |
| Helwan clarification plant ... ... ... | 50 | 50 | 50 |
| Other supplies ... ... ... ... ... ... | 11 | 11 | 11 |
| Aerated waters :— | | | |
| Cairo ... ... ... ... ... ... ... | 393 | — | 393 |
| Ismailia ... ... ... ... ... ... | 6 | — | 6 |
| Port Said ... ... ... ... ... ... | 22 | — | 22 |
| Suez ... ... ... ... ... ... ... | 59 | — | 59 |
| Others ... ... ... ... ... ... ... | 2 | 2 | 2 |
| TOTAL ... ... | 1,898 | 1,418 | 1,586 |
| *Chemical.* | | | |
| Water :— | | | |
| Public supplies ... ... ... ... ... | 108 | — | — |
| Private supplies ... ... ... ... ... | 3 | — | — |
| Military supplies ... ... ... ... | 3 | — | — |
| Sewage :— | | — | — |
| Cairo Drainage Department ... ... | 4 | — | — |
| Port Said Health Inspectorate... ... | 2 | | |
| TOTAL ... ... | 120* | — | — |

## 5.—VACCINE INSTITUTE.

The amount of vaccine lymph issued in 1921 was 2,094,115 doses. This issue was made up as follows :—

| | Doses. |
|---|---|
| Public Health Inspectors (bandars)... ... ... ... ... ... ... | 145,665 |
| ,, ,, ,, (villages) ... ... ... ... ... ... ... | 1,002,935 |
| Extra to Public Health Inspectors ... ... ... ... ... ... ... | 425,290 |
| Cairo City Health Inspectorate ... ... ... ... ... ... ... | 115,135 |
| Ministry of Education... ... ... ... ... ... ... ... ... ... | 22,100 |
| Prisons Department ... ... ... ... ... ... ... ... ... ... | 160 |
| Ministry of Waqfs ... ... ... ... ... ... ... ... ... ... | 800 |
| Egyptian Army ... ... ... ... ... ... ... ... ... ... ... | 18,700 |
| Lunatic Asylums... ... ... ... ... ... ... ... ... ... ... | 3,360 |
| Frontier Districts Administration ... ... ... ... ... ... ... | 20,405 |
| Alexandria Municipality ... ... ... ... ... ... ... | 64,500 |
| Suez Canal Company ... ... ... ... ... ... ... ... ... ... | 3,910 |
| British Army... ... ... ... ... ... ... ... ... ... ... ... | 3,040 |
| Sudan Government ... ... ... ... ... ... ... ... ... ... | 199,100 |
| Miscellaneous sales ... ... ... ... ... ... ... ... ... ... | 57,800 |
| Miscellaneous gratis ... ... ... ... ... ... ... ... ... ... | 11,215 |
| TOTAL ... ... ... | 2,094,115 |

Each batch of the vaccine, before issue, is tested by a special medical officer attached to the Inspectorate of the City of Cairo. The results of these tests are given in the appended table.

* These analyses are already included in the table of chemical analyses.

TABLE LX.—RESULTS OF THE TESTS CARIED OUT BY THE CAIRO CITY HEALTH INSPECTORATE OF BATCHES OF CALF LYMPH MANUFACTURED DURING 1921.

| Number of Batch. | Number of Children vaccinated. | Results. | | | | |
|---|---|---|---|---|---|---|
| | | Successful. | | | | Failed. |
| | | 4 Pustules. | 3 Pustules. | 2 Pustules. | 1 Pustule. | |
| 156 | 22 | 18 | 0 | 0 | 3 | 1 |
| 157 | 23 | 21 | 2 | 0 | 0 | 0 |
| 158 | 53 | 33 | 13 | 3 | 2 | 2 |
| 159 | 24 | 15 | 3 | 2 | 2 | 2 |
| 160 | 20 | 17 | 2 | 0 | 1 | 0 |
| 161 | 46 | 28 | 6 | 3 | 5 | 4 |
| 162 | 42 | 31 | 5 | 5 | 1 | 0 |
| 163 | 39 | 23 | 9 | 4 | 1 | 2 |
| 164 | 26 | 21 | 3 | 1 | 1 | 0 |
| 165 | 26 | 21 | 1 | 2 | 2 | 0 |
| 166 | Seed vaccine. | | | | | |
| 167 | 47 | 36 | 6 | 0 | 1 | 4 |
| 168 | 39 | 31 | 3 | 3 | 2 | 0 |
| 169 | 43 | 35 | 7 | 1 | 0 | 0 |
| 170 | 34 | 30 | 2 | 2 | 0 | 0 |
| 171 | 46 | 37 | 3 | 3 | 2 | 1 |
| 172 | 59 | 44 | 8 | 5 | 1 | 1 |
| 173 | 56 | 38 | 13 | 4 | 1 | 0 |
| 174 | 61 | 50 | 10 | 1 | 0 | 0 |
| 175 | 60 | 52 | 3 | 3 | 1 | 1 |
| 176 | 78 | 59 | 8 | 6 | 2 | 3 |
| GRAND TOTAL | 844 | 640 | 107 | 48 | 28 | 21 |
| Percentage ... | — | 75·8 | 12·7 | 5·7 | 3·3 | 2·5 |

## 6.—ANTIRABIC INSTITUTE.

In 1921, a total of 1,323 persons were treated in the Institute. From this number the following deductions should be made :—

Nine persons who ceased to attend for treatment without a satisfactory reason.

143 persons whose treatment was discontinued as being unnecessary, the observation of the animal for a period of ten days or more having shown it not to be rabid.

Eleven persons whose treatment, although completed, must be considered useless, the animal inflicting the bite having been proved healthy by inoculation of rabbits.

The statistics, therefore, comprise 1,160 patients. This figure is an increase of 125 over the number treated in 1920.

### (*a*) MONTHLY INCIDENCE.

The monthly incidence of the 1,160 cases dealt with in the statistics is shown below :—

| Month. | Persons. |
|---|---|
| January ... ... ... ... | 87 |
| February ... ... ... ... | 91 |
| March ... ... ... ... ... | 87 |
| April ... ... ... ... ... | 89 |
| May ... ... ... ... ... | 85 |
| June ... ... ... ... ... | 86 |
| July ... ... ... ... ... | 119 |
| August ... ... ... ... | 92 |
| September ... ... ... ... | 114 |
| October ... ... ... ... | 115 |
| November ... ... ... ... | 108 |
| December ... ... ... ... | 87 |

### (*b*) Topographical Distribution.

The 1,160 persons treated may be subdivided as follows:—

| | | |
|---|---|---|
| Egyptians ... ... ... ... ... ... ... | 1,008 | persons. |
| Foreigners resident in Egypt ... ... | 128 | „ |
| Foreigners not resident ... ... ... ... | 24 | „ |

Their place of origin was :—

| | | | |
|---|---|---|---|
| *Governorates* :— | | *Provinces* :— | |
| Cairo ... ... ... ... ... ... ... | 198 | Gîza ... ... ... ... ... ... ... ... | 44 |
| Alexandria ... ... ... ... ... ... | 55 | Beni Suef... ... ... ... ... ... ... | 23 |
| Suez Canal ... ... = ... ... ... | 60 | Faiyûm ... ... ... ... ... ... ... | 52 |
| Damietta ... ... ... ... ... ... ... | 3 | Minya ... ... ... ... ... ... ... | 38 |
| *Provinces* :— | | Asyût ... ... ... ... ... ... ... | 53 |
| Qalyûbîya ... ... ... ... ... ... | 61 | Girga ... ... ... ... ... ... ... | 16 |
| Sharqîya... ... ... ... ... ... ... | 95 | Qena... ... ... ... ... ... ... ... | 17 |
| Daqahlîya ... ... ... ... ... ... | 164 | Aswân ... ... ... ... ... ... ... | 6 |
| Manûfîya ... ... ... ... ... ... ... | 45 | Palestine ... ... ... ... ... ... ... | 29 |
| Gharbîya ... ... ... ... ... ... ... | 141 | Syria ... ... ... ... ... ... ... ... | 1 |
| Beheira ... ... ... ... ... ... ... | 56 | Sinai Peninsula ... ... ... ... ... ... | 3 |

### (*c*) Classification of Biting Animals.

The injuries to the 1,160 patients were inflicted by :—

| | | | |
|---|---|---|---|
| Dogs ... ... ... ... ... ... | 1,015 | cases. | Camels ... ... ... ... ... | 8 | cases. |
| Cats ... ... ... ... ... ... | 35 | „ | Sheep... ... ... ... ... ... | 1 | „ |
| Wolves ... ... ... ... ... | 72 | „ | Pig ... ... ... ... ... ... | 1 | „ |
| Monkeys ... ... ... ... ... | 4 | „ | Rat ... ... ... ... ... ... | 1 | „ |
| Donkeys ... ... ... ... ... | 12 | „ | Ichneumon ... ... ... ... | 1 | „ |
| Horses ... ... ... ... ... | 4 | „ | Rabid human being ... ... | 3 | „ |
| Mule ... ... ... ... ... ... | 1 | „ | Infected in the Laboratory ... | 2 | „ |

### (*d*) Positions of the Injuries.

106 cases were bites on the head.
587 cases were bites on naked skin :—
120 serious.
467 slight.
467 cases were bites through clothing.

### (*e*) Notes on the Animals inflicting the Bites.

(1) It is to be noted that the number of persons bitten does not correspond to the number of the animals causing the bites reported by the Veterinary Service, as in several cases one animal caused the injury to more than one person.

(2) As a result of their observation by the Veterinary Service, 136 animals, having bitten 143 persons, were found to be non rabid.

(3) Experimental inoculation of rabbits undertaken at the Institute showed that nine dogs, having bitten eleven persons, were healthy.

(4) In a certain number of cases, definite diagnosis could not be established, and these cases are considered as suspect. The details are as follows :—

478 animals escaped and could not be found.

Fifty-four animals were killed and the carcase destroyed.

135 brains of animals arrived at the institute in state of decomposition and no investigation was possible.

Twenty-three animals remained suspect, the rabbit inoculated being inconclusive.

The total of suspected animals is therefore 690.

(5) Rabies was considered to be proved in the case of fifty-six animals, having bitten 167 persons. The diagnosis was determined :—

By Veterinary Inspectors in the case of six animals (five dogs and one cat) having bitten thirteen persons.

By rabbit inoculation in the case of fifty animals (forty-seven dogs, one cat and two donkeys), having bitten 154 persons.

(6) In the case of ten animals, having bitten twenty-six persons, positive diagnosis of rabies is presumed by the death of one or more of the patients bitten.

### (*f*) Method of Treatment.

No change was introduced, during the year, in the methods of preventive vaccination and the serotherapy described in the 1916 report.

### (*g*) Statistics.

In accordance with the practice in other Antirabic Institutes the statistics only comprise deaths occurring more than fifteen days after the treatment was completed.

Amongst the persons treated in 1921, there occurred eight deaths. Table LXI attached gives the names and other particulars concerning each of these cases. The corrected mortality-rate, representing the cases in which the treatment failed, is therefore 0·6 per cent.

In addition to the above, it is necessary to record the death of four other persons who died either during treatment or less than fifteen days after its completion. The gross mortality comprising all deaths is therefore 1·03 per cent. Table LXII gives a classification of the cases treated and the mortality-rate.

TABLE LXI.—NOTES ON PATIENTS WHO DIED IN 1921.

| Serial No. | NAME OF PATIENT. | Age. | Sex. | Place where the Accident occurred. | Position of Injuries. | Nature and Number. | Bitten by | Date of Bite. | Dates of Treatment. | Date of Death. |
|---|---|---|---|---|---|---|---|---|---|---|
| 11,789 | Ahmed Aly Morad ... ... ... | 38 | M. | Asyût Bandar. | Left cheek. | 1 slight<br>5 v. „ | Dog.<br>Diagnosis impossible. | Feb. 9 | Feb. 15 to March 7. | March 27, 1921 :—<br>45 days after the bite.<br>19 „ „ treatment. |
| 11,725 | Ibrahim Ahmed Yousif ... ... | 7 | M. | Ismailia. | Left hand. | 1 slightly severe. | Dog.<br>Diagnosis impossible. | January 26 | Jan. 29 to Feb. 18. | March 31, 1921 :—<br>63 days after the bite.<br>40 „ „ treatment. |
| 11,837 | Mohamed Hemaid Aly ... ... | 30 | M. | Faiyûm Bandar. | Nose<br>Lip. | 1 slight sev.<br>1 slight sev. | Wolf.<br>Diagnosis impossible. | Feb. 22 | Feb. 25 to March 17. | April 12, 1921 :—<br>48 days after the bite.<br>25 „ „ treatment. |
| 12,582 | Abdel Razek Abdel Latif ... | 12 | M. | Benha, Qalyûbîya. | R. and L. cheeks<br>R. finger. and L. arm R. high. | 3 severe.<br>2 severe.<br>4 severe. | Wolf.<br>Diagnosis impossible. | Sep. 20 | Sept. 22 to Oct. 12. | December 21, 1921 :—<br>91 days after the bite.<br>69 „ „ treatment. |
| 12,813 | Gad el Moula Mohamed... ... | 25 | M. | Beni Mazar Minya. | R. hand. | 5 slight. | Dog.<br>Diagnosis impossible. | Nov. 13 | Nov. 16 to Dec. 6. | January 3, 1922 :—<br>50 days after the bite.<br>27 „ „ treatment. |
| 12,884 | Abdel Raouf el Saiid ... ... | 8 | M. | Mansura, Daqahliya. | Face<br>R. hand. | 4 slight.<br>1 severe. | Dog.<br>Diagnosis impossible. | Dec. 2 | Dec. 4 to 24. | January 10, 1922 :—<br>38 days after the bite.<br>16 „ „ treatment. |
| 12,906 | Ibrahim Farahat ... ... ... | 70 | M. | Faiyûm District. | L. arm. | 4 slight sev.<br>5 slight. | Wolf.<br>Diagnosis impossible. | Dec. 6 | Dec. 8 to 28. | January 29, 1922 :—<br>53 days after the bite.<br>31 „ „ treatment. |
| 12,902 | Abdel Hamid Abdel Aziz ... | 20 | M. | Faiyûm District. | Upper lip<br>R. hand. | 1 v. severe.<br>3 slight. | Wolf.<br>Diagnosis impossible. | Dec. 6 | Dec. 8 to 28. | February 14, 1922 :—<br>69 days after the bite.<br>47 „ „ treatment. |

TABLE LXII.—RESULT OF ANTIRABIC TREATMENT IN CAIRO DURING 1921.

| | Injuries on the Head. | | | Injuries on Naked Skin (head excepted). | | | Injuries through Clothing. | | | Totals. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Treated. | Died. | Mortality per Cent. | Treated. | Died. | Mortality per Cent. | Treated. | Died. | Mortality per Cent. | Treated. | Died. | Mortality per Cent. |
| Class A ... | 21 | 0 | 0·0 | 108 | 0 | 0·0 | 51 | 0 | 0·0 | 180 | 0 | 0·0 |
| „ B ... | 1 | 0 | 0·0 | 8 | 0 | 0·0 | 4 | 0 | 0·0 | 13 | 0 | 0·0 |
| „ C ... | 84 | 5 | 5·9 | 471 | 2 | 0·4 | 412 | 1 | 0·4 | 967 | 8 | 0·8 |
| | 106 | 5 | 4·6 | 587 | 2 | 0·3 | 467 | 1 | 0·2 | 1,160 | 8 | 0·6 |

Class A.—The animal causing the bite proved to be rabid by the development of rabies in patients bitten or by experimental inoculation.

Class B.—The animal causing the bite was declared to be rabid by the Veterinary Surgeon.

Class C.—The animal causing the bite was suspected of rabies.

# VI.—REPORT ON THE WORK OF SUBSIDIARY SERVICES.

## 1.—BUDGET AND STAFF.

| | |
|---|---|
| The Budget for the year from April 1, 1921 to March 31, 1922, was fixed at ... | L.E. 742,839 |
| That for 1920-1921 was fixed at L.E. 720,425, but actual expenditure amounted to | „ 754,432 |
| The total estimate for 1921-1922 is therefore less than the actual expenditure during 1920-1921 by ... ... ... ... ... ... ... ... ... ... ... ... | L.E. 11,593 |

### 1. Budget, 1921–1922.

Table LXIII.—Comparison between Anticipated Expenditure in 1921-1922 and Actual Expenditure in 1920–1921.

| | Budget 1921-1922 | Actual Expenditure 1920-1921 | Increase 1921-1922 | Decrease 1921-1922 |
|---|---|---|---|---|
| | L.E. | L.E. | L.E. | L.E. |
| Art. 1. Salaries, wages, and allowances... | 337,430 | 297,334 | 40,096 | — |
| „ 2. Transport, transfer, and travelling allowances ... ... ... ... ... | 27,127 | 31,692 | — | 4,565 |
| „ 3. Food ... ... ... ... ... ... ... | 97,019 | 104,379 | — | 7,360 |
| „ 4. Forage ... ... ... ... ... ... | 1,960 | 3,617 | — | 1,657 |
| „ 5. Rent, water, light, etc. ... ... ... | 16,264 | 14,054 | 2,210 | — |
| „ 6. Books and periodicals ... ... ... | 407 | 337 | 70 | — |
| „ 7. Telephones and telegrams ... ... | 2,356 | 2,334 | 22 | — |
| „ 8. Petty expenses... ... ... ... ... | 5,000 | 7,186 | — | 2,186 |
| „ 9. Purchase of animals ... ... ... | 1,635 | 2,035 | — | 400 |
| „ 10. Free water fountains ... ... ... | 3,105 | 3,246 | — | 141 |
| „ 11. Stores... ... ... ... ... ... ... | 196,219 | 234,019 | — | 37,800 |
| „ 12. Uniforms ... ... ... ... ... ... | 482 | 2,337 | — | 1,855 |
| „ 13. Upkeep of material and equipment | 2,200 | 2,060 | 140 | — |
| „ 14. Supplies to Provincial Councils ... | 1,750 | 1,574 | 176 | — |
| „ 15. Allowances to sanitary barbers ... | 521 | 316 | 205 | — |
| „ 16. Disinfecting ships at the ports ... | 6,000 | 5,500 | 500 | — |
| „ 17. Transport of stores ... ... ... ... | 6,000 | 9,229 | — | 3,229 |
| „ 18. Maintenance of temporary lazarets at Gabbary... ... ... ... ... | 4,560 | 3,690 | 870 | — |
| „ 19. Sanitary improvements in mosques | 2,500 | 1,453 | 1,047 | — |
| „ 20. Allowances for dentist examination | 300 | 772 | — | 472 |
| „ 21. Prophylactic measures against:— | | | | |
| (*a*) Ankylostoma ... ... ... ... | 9,000 | 8,980 | 20 | — |
| (*b*) Cholera ... ... ... ... ... | 5,172 | — * | 5,172 | — |
| „ 22. Maintenance of lock hospitals for Europeans ... ... ... ... ... | 9,333 | 13,115 | — | 3,782 |
| „ 23. New works ... ... ... ... ... | 9,150 | 7,141* | 2,009 | — |
| | 745,490 | 756,400 | 52,537 | 63,447 |
| To deduct: | | | | |
| Recoveries for services rendered ... ... | 2,651 | 1,968 | 683 | — |
| Total ... ... | 742,839 | 754,432 | 51,854 | 63,447 |
| Net decrease ... ... ... | | | 11,593 | |

* Expenditure on Prophylactic measures against Cholera was shown in 1920–1921 under Art. 23 "New Works."

NEW WORKS 1921-1922. ESTIMATED EXPENDITURE.

| | 1921–1922 |
|---|---|
| | L.E. |
| 1. Equipment for new buildings :— | |
| (*a*) Qasr el ʿAini Hospital :— | |
| Extern Maternity Section ... ... ... ... ... ... ... ... ... ... | 250 |
| (*b*) Qena Ophthalmic Hospital ... ... ... ... ... ... ... ... ... ... | 3,200 |
| (*c*) ʿAbbâsîya Fever Hospital :— | |
| New quarters for Assistant Nurses and Hakîmas ... ... ... ... ... | 150 |
| (*d*) Central Laboratories ... ... ... ... ... ... ... ... ... ... ... | 1,500 |
| (*e*) Benha Hospital :— | |
| Administration block ... ... ... ... ... ... ... ... ... ... ... | 300 |
| (*f*) Port Said Ophthalmic Hospital ... ... ... ... ... ... .. ... ... | 1,000 |
| (*g*) Suez Hospital :— | |
| Two infectious pavilions ... ... ... ... ... ... ... ... ... ... ... | 1,000 |
| (*h*) Damanhûr Hospital :— | |
| Out-patient's section ... ... ... ... ... ... ... ... ... ... ... | 300 |
| (*i*) Central Administration :— | |
| New Storey ... ... ... ... ... ... ... ... ... ... ... ... ... | 600 |
| (*j*) Port Said Infectious Hospital :— | |
| Sister's Quarters ... ... ... ... ... ... ... ... ... ... ... ... | 350 |
| (*k*) Ophthalmic treatment in Government Schools of Damietta, Port Said, and Suez ... ... ... ... ... ... ... ... ... ... ... ... ... ... | 150 |
| 2. Additional Equipment, Vaccine Institute ... ... ... ... ... ... ... ... ... | 100 |
| 3. Connecting the overflow pits of 16 free drinking taps with the Main Drainage System of Cairo ... ... ... ... ... ... ... ... ... ... ... ... | 250 |
| TOTAL ... ... | 9,150 |

## 2.—STAFF.

TABLE LXIV.—PERMANENT STAFF.

| CATEGORY. | 1921 | 1920 | CATEGORY. | 1921 | 1920 |
|---|---|---|---|---|---|
| TECHNICAL. | | | *Brought forward* ... | 404 | 393 |
| Under Secretaay of State ... ... ... | 1 | — | Asst. Chief Inspector of Pharmacies | 1 | 1 |
| Director-General... ... ... ... ... | 1 | 1 | Pharmacists, 2nd class ... ... ... | 2 | 2 |
| Deputy Director-General ... ... ... | — | 1 | „ 3rd „ ... ... ... | 6 | 6 |
| Inspector General ... ... ... ... | 1 | — | „ 4th „ ... ... ... | 23 | 16 |
| Directors of Sections ... ... ... ... | 4 | 4 | Assistant pharmacists ... ... ... | 13 | 14 |
| Sub-Directors of Sections ... ... ... | 3 | 3 | Sanitary engineer, 1st class ... ... | 1 | 1 |
| Inspector, Cairo City ... ... ... ... | 1 | 1 | „ „ 2nd „ ... ... | 1 | 1 |
| Inspectresses ... ... ... ... ... ... | 2 | 2 | Steward ... ... ... ... ... ... | 1 | — |
| Inspectors ... ... ... ... ... ... | 19 | 19 | Inspector of vidange ... ... ... ... | 1 | 1 |
| „ 2nd class ... ... ... ... | 20 | 20 | | | |
| „ 3rd „ ... ... ... ... | 13 | 13 | ADMINISTRATIVE. | | |
| President, Medical Commission ... | 1 | 1 | Director, Administrative Service ... | 1 | 1 |
| Vice-President, Medical Commission | 1 | 1 | Director of Service ... ... ... ... | 1 | 1 |
| Director of Technical Institutes ... | 1 | 1 | Sub-Director, Administrative Service | 1 | 1 |
| Sub-Dir. „ „ ... ... | 1 | 1 | Sub-Director of Service ... ... ... | 1 | 1 |
| Director, Antirabic Institute ... ... | 1 | 1 | Secretary ... ... ... ... ... ... | 1 | 1 |
| Bacteriologists, 2nd „ ... ... ... | 4 | 4 | Chef de bureau ... ... ... ... ... | 2 | 2 |
| „ 3rd „ ... ... ... | 2 | 2 | Sous-chef de bureau ... ... ... | 6 | 6 |
| „ 4th „ ... ... ... | 8 | 8 | Clerks, 1st class ... ... ... ... | 10 | 10 |
| Chemists, 2nd class ... ... ... ... | 3 | 3 | „ 2nd „ ... ... ... ... ... | 23 | 22 |
| „ 3rd „ ... ... ... ... | 2 | 2 | „ 3rd „ ... ... ... ... ... | 61 | 61 |
| „ 4th „ ... ... ... ... | 3 | 3 | „ 4th „ ... ... ... ... ... | 225 | 182 |
| Director, Alexandria Hospital ... ... | 1 | 1 | STORES. | | |
| „ Fever Hospital, ʿAbbâsîya | 1 | 1 | Director of Stores ... ... ... ... | 1 | 1 |
| Medical Officer, 1st class ... ... ... | 1 | 1 | Chief Store officer ... ... ... ... | 1 | 1 |
| „ „ 2nd „ ... ... ... | 4 | 4 | Inspectors of stores ... ... ... ... | 2 | 2 |
| „ „ 3rd „ ... ... ... | 18 | 18 | Storekeeper, 1st class ... ... ... | 1 | 1 |
| „ „ 4th „ *A* ... ... | 22 | 22 | „ 2nd „ ... ... ... | 2 | 2 |
| „ „ 4th „ *B* ... ... | 224 | 212 | „ 3rd „ ... ... ... | 10 | 9 |
| Midwives ... ... ... ... ... ... | 40 | 42 | „ 4th „ ... ... ... | 27 | 27 |
| Chief Inspector of Pharmacies ... | 1 | 1 | | | |
| *Carried forward* ... | 404 | 393 | TOTAL ... ... | 829 | 766 |

TABLE LXV.—TEMPORARY STAFF.

| CATEGORY. | 1921 | 1920 | CATEGORY. | 1921 | 1920 |
|---|---|---|---|---|---|
| | | | *Brought forward* ... | 77 | 88 |
| Inspector of Stores ... ... ... ... | 1 | 1 | Superintendent ... ... ... ... ... | 1 | 1 |
| Snb-Director of Stores ... ... ... | 1 | 1 | Matrons ... ... ... ... ... ... | 11 | 9 |
| Inspectors (Epidemics) ... ... ... | 3 | 3 | Nursing sisters ... ... ... ... ... | 42 | 40 |
| Medical Officers ... ... ... ... ... | 41 | 52 | Housekeepers ... ... ... ... ... | 2 | 2 |
| Food and Nuisance Inspectors ... ... | 4 | 4 | Kablas ... ... ... ... ... ... ... | 24 | 16 |
| Inspector of Disinfection ... ... ... | 1 | 1 | Sewing woman ... ... ... ... ... | 1 | 1 |
| Assistant Inspector of Disinfection ... | — | 1 | Inspector Provincial Clerical work | 1 | 1 |
| Sanitary Engineer ... ... ... ... | 1 | 1 | Shorthand-typists ... ... ... ... | 3 | 1 |
| Draftsman ... ... ... ... .. ... | 1 | 1 | Clerks ... ... ... ... ... ... ... | 167 | 167 |
| Foremen of Works ... ... ... ... | 2 | 2 | Storekeepers ... ... ... ... ... | 1 | 2 |
| Electricians ... ... ... ... ... ... | 3 | 2 | Assistant storekeeper ... ... ... ... | 1 | 1 |
| Inspector of Overseers... ... ... ... | 1 | 1 | Moawen ... ... ... ... ... ... | 1 | 1 |
| Overseers ... ... ... ... ... ... | 18 | 18 | | | |
| *Carried forward* ... | 77 | 88 | TOTAL ... ... | 332 | 330 |

TABLE LXVI.—HORS CADRE STAFF.

| CATEGORY. | 1921 | 1920 | CATEGORY. | 1921 | 1920 |
|---|---|---|---|---|---|
| | | | *Brought forward* ... | 894 | 818 |
| Chief attendants, Hospitals ... ... | 116 | 105 | Disinfectors, 1st class ... ... ... | 14 | 14 |
| Male „ „ ... ... ... | 508 | 472 | Disinfectors, 2nd „ ... ... ... | 36 | 35 |
| Female „ „ ... ... ... | 198 | 173 | Cooks ... ... ... ... ... ... ... | 58 | 51 |
| Moawens ... ... ... ... ... ... | 38 | 38 | Printers ... ... ... ... ... ... | 3 | 3 |
| Laboratory assistants, 1st class ... | — | 1 | Overseers ... ... ... ... ... ... | 56 | 54 |
| „ „ 2nd „ ... | 5 | 5 | Sanitary barbers ... ... ... ... | 46 | 45 |
| „ „ 3rd „ ... | 12 | 12 | Mechanics ... ... ... ... ... ... | 2 | 2 |
| „ „ 4th „ ... | 17 | 12 | Various categories ... ... ... ... | 882 | 858 |
| *Carried forward* ... | 894 | 818 | TOTAL ... ... | 1,991 | 1,880 |

## 2.—MEDICAL COMMISSIONS.

### CENTRAL MEDICAL COMMISSION.

During the year 1921, the Central Medical Commission issued 11,165 medical certificates. Out of this total 4,034 employees were examined for sick leave, of which number 227 were refused. The number of applicants for retirement from the service on grounds of physical unfitness was 1,445, of these 183 were found fit for further service.

The above figures are set out in Tables LXVI and LXVII.

The number of applicants and examinations for admission to service was 5,527, and the failures amounted to 2,554, and of these failures, 1,882 failed in the vision tests.

The numbers of medical certificates issued by the Central Medical Commission during the last five years are as follows :—

| | |
|---|---|
| **1917** ... ... ... ... ... ... ... | 6,773 |
| **1918** ... ... ... ... ... ... ... | 8,430 |
| **1919** ... ... ... ... ... ... ... | 9,028 |
| **1920** ... ... ... ... ... ... ... | 12,640 |
| **1921** ... ... ... ... ... ... ... | 11,165 |

### PROVINCIAL MEDICAL COMMISSIONS.

As can be seen from the attached Table LXVI 15,167 medical certificates were issued by the Provincial Medical Commissions during 1921.

This shows an increase of 3,089 as compared with 1920.

*Nizami Ghafîrs.*—The number of *nizami ghafîrs* who were examined by the Medical Officers of the Markazes on admission to service and for extension of their voluntary period of service are as follows :—

| | Fit. | Unfit. | Total. |
|---|---|---|---|
| For admission to service ... ... ... ... ... ... | 11,853 | 8,387 | 20,240 |
| For extension of service... ... ... ... ... ... ... | 461 | 93 | 554 |
| TOTAL ... ... | 12,314 | 8,480 | 20,794 |

Statistical details of the work of the Medical Commissions will be found in the accompanying Tables XLVI to XLVIII.

TABLE LXVI.—MEDICAL EXAMINATIONS MADE BY THE CENTRAL MEDICAL COMMISSION OF CAIRO DURING 1921.

| MONTHS. | OBJECT OF MEDICAL EXAMINATION. | | | | | | | | CAUSES OF REJECTION OF CANDIDATES APPLYING FOR ENTRY TO SERVICE. | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NUMBER OF CASES. | | | | | | | TOTAL. | DISEASES OF | | | | | | | TOTAL. |
| | For Admission to Service. | For Sick Leave. | | For Invaliding from Service. | | For Determination of Age. | Other Examinations if any. | | Defective Vision. | Urinary System. | Respiratory System. | Circulatory System. | Nervous System. | Digestive System. | Other Miscellaneous Diseases. | |
| | | Granted. | Refused. | Unfit. | Fit. | | | | | | | | | | | |
| January ... | 541 | 292 | 19 | 121 | 8 | 6 | 2 | 989 | 179 | 20 | 6 | 15 | — | — | 6 | 226 |
| February ... | 361 | 289 | 11 | 97 | 6 | 1 | 2 | 767 | 119 | 18 | 4 | 10 | — | — | 2 | 153 |
| March... ... | 515 | 335 | 12 | 98 | 7 | 3 | 7 | 977 | 186 | 11 | 2 | 5 | — | — | 2 | 206 |
| April ... ... | 530 | 298 | 17 | 89 | 20 | 2 | 31 | 987 | 171 | 13 | — | 7 | — | — | 2 | 193 |
| May ... ... | 335 | 301 | 14 | 93 | 18 | 3 | 25 | 789 | 127 | 8 | — | 8 | — | — | 8 | 151 |
| June ... ... | 403 | 261 | 31 | 91 | 14 | 3 | 11 | 814 | 131 | 10 | — | 8 | 1 | — | 13 | 163 |
| July ... ... | 434 | 292 | 31 | 94 | 13 | 8 | 24 | 896 | 177 | 33 | 2 | 13 | — | — | 9 | 234 |
| August ... | 546 | 347 | 18 | 96 | 14 | 3 | 3 | 1,027 | 171 | 60 | 6 | 9 | — | 1 | 9 | 256 |
| September ... | 597 | 338 | 11 | 135 | 14 | 6 | 2 | 1,103 | 182 | 73 | 16 | 33 | — | 2 | 9 | 315 |
| October ... | 472 | 399 | 27 | 144 | 33 | 4 | 4 | 1,083 | 169 | 43 | 5 | 31 | — | — | 7 | 255 |
| November ... | 408 | 318 | 23 | 103 | 19 | 6 | 1 | 878 | 141 | 43 | 9 | 21 | — | — | 10 | 224 |
| December ... | 385 | 337 | 13 | 101 | 17 | 2 | — | 855 | 129 | 18 | 13 | 13 | — | — | 5 | 178 |
| TOTAL ... | 5,527 | 3,807 | 227 | 1,262 | 183 | 47 | 112 | 11,165 | 1,882 | 350 | 63 | 173 | 1 | 3 | 82 | 2,554 |
| | | 4,034 | | 1,445 | | | | | | | | | | | | |

TABLE LXVII.—DETAILS OF THE EXAMINATIONS FOR SICK LEAVE AND INVALIDING CARRIED OUT BY THE CENTRAL MEDICAL COMMISSION DURING 1921.

| MONTHS. | SICK LEAVES. | | | | | INVALIDING. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | GRANTED. | | REFUSED. | | TOTAL. | VIDE CERTIFICATES. | | BY CENTRAL MED. COM. | | TOTAL. |
| | Vide Certificates approved. | By C. M. C. | Vide Certificates. | By C. M. C. | | Approved. | Disapproved. | Unfit. | Fit for Duty. | |
| January ... ... ... ... | 157 | 135 | — | 19 | 311 | 93 | — | 28 | 8 | 129 |
| February ... ... ... | 147 | 142 | — | 11 | 300 | 79 | — | 18 | 6 | 103 |
| March ... ... ... ... | 180 | 155 | — | 12 | 347 | 72 | — | 26 | 7 | 105 |
| April ... ... ... ... | 173 | 125 | — | 17 | 315 | 69 | 2 | 20 | 18 | 109 |
| May... ... ... ... ... | 165 | 136 | — | 14 | 315 | 72 | 1 | 21 | 17 | 111 |
| June ... ... ... ... | 150 | 111 | — | 31 | 292 | 73 | — | 18 | 14 | 105 |
| July... ... ... ... ... | 191 | 101 | — | 31 | 323 | 72 | — | 22 | 13 | 107 |
| August ... ... ... ... | 193 | 154 | — | 18 | 365 | 73 | — | 23 | 14 | 110 |
| September ... ... ... | 183 | 155 | — | 11 | 349 | 92 | — | 43 | 14 | 149 |
| October ... ... ... ... | 251 | 148 | — | 27 | 426 | 98 | 1 | 46 | 32 | 177 |
| November ... ... ... | 184 | 134 | — | 23 | 341 | 77 | 2 | 26 | 17 | 122 |
| December ... ... ... | 194 | 143 | — | 13 | 350 | 74 | — | 27 | 17 | 118 |
| TOTAL .. ... | 2,168 | 1,639 | — | 227 | 4,034 | 944 | 6 | 318 | 177 | 1,445 |

TABLE LXVIII.— MEDICAL EXAMINATIONS MADE BY THE CENTRAL AND PROVINCIAL MEDICAL COMMISSIONS DURING THE YEAR 1921.

| COMMISSIONS. | OBJECT OF MEDICAL EXAMINATION. — NUMBER OF CASES. | | | | | | | | CAUSES OF REJECTION OF CANDIDATES APPLYING FOR ADMISSION TO SERVICE. — DISEASES OF | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | For Admission to Service. | For Sick Leave. | | For Invaliding from Service. | | For Determination of Age. | Other Examinations if any. | TOTAL. | Defective Vision. | Urinary System. | Respiratory System. | Circulatory System. | Digestive System. | Nervous System. | Other Miscellaneous Diseases. | TOTAL. |
| | | Granted. | Refused. | Unfit. | Fit for Duty. | | | | | | | | | | | |
| Central Medical Com. ... | 5,527 | 3,807 | 227 | 1,262 | 183 | 47 | 112 | 11,165 | 1,882 | 350 | 63 | 173 | 3 | 1 | 82 | 2,554 |
| Alexandria ... ... ... ... | 708 | 1,706 | 267 | 170 | 40 | 94 | 112 | 3,097 | 52 | 2 | 2 | — | — | — | — | 56 |
| Suez ... ... ... ... ... | 92 | 59 | 9 | 16 | 10 | 15 | — | 201 | 36 | 1 | — | — | — | — | 2 | 39 |
| Port Said ... ... ... ... | 227 | 85 | 14 | 51 | 19 | 12 | — | 408 | 68 | 10 | — | — | — | — | 5 | 83 |
| Damietta ... ... ... ... | 22 | 43 | 2 | 16 | 13 | 2 | — | 98 | 5 | — | — | — | — | — | — | 5 |
| Beheira ... ... ... ... | 152 | 348 | 36 | 59 | 32 | 221 | 2 | 850 | 47 | 7 | — | 1 | 1 | — | 2 | 58 |
| Gharbîya ... ... ... ... | 868 | 464 | 47 | 119 | 24 | 17 | 2 | 1,541 | 177 | 3 | — | — | — | — | 17 | 197 |
| Minûfîya ... ... ... ... | 682 | 192 | 36 | 77 | 53 | 26 | — | 1,066 | 81 | 11 | 2 | 9 | — | — | 15 | 118 |
| Daqahlîya ... ... ... ... | 522 | 486 | 48 | 54 | 47 | 15 | 27 | 1,199 | 123 | 25 | — | 3 | — | — | 3 | 154 |
| Sharqîya ... ... ... ... | 602 | 353 | 13 | 74 | 45 | 21 | 63 | 1,171 | 105 | 74 | 1 | 23 | — | — | — | 203 |
| Qalyûbîya ... ... ... ... | 382 | 140 | 33 | 38 | 59 | 7 | — | 659 | 63 | 77 | 1 | 4 | — | — | 7 | 152 |
| Gîza ... ... ... ... ... | 298 | 293 | 7 | 33 | 20 | 3 | — | 654 | 65 | 1 | — | — | — | — | — | 66 |
| Faiyûm ... ... ... ... | 414 | 251 | 8 | 20 | 30 | 1 | — | 724 | 54 | 2 | 1 | — | — | — | 1 | 58 |
| Beni Suef ... ... ... ... | 244 | 129 | — | 13 | 20 | 4 | 4 | 414 | 59 | 65 | 3 | — | — | — | 2 | 129 |
| Minya ... ... ... ... ... | 588 | 178 | 23 | 32 | 30 | 16 | 1 | 868 | 201 | 28 | — | 2 | — | — | 3 | 234 |
| Asyût ... ... ... ... ... | 350 | 203 | 19 | 58 | 50 | 2 | 3 | 685 | 78 | 46 | — | 5 | — | — | — | 129 |
| Girga ... ... ... ... ... | 483 | 157 | 5 | 20 | 57 | 6 | 3 | 731 | 71 | 1 | — | 1 | — | — | — | 73 |
| Qena ... ... ... ... ... | 409 | 144 | 6 | 29 | 18 | 9 | 2 | 617 | 90 | 6 | — | — | — | — | 7 | 103 |
| Aswân ... ... ... ... ... | 51 | 83 | 6 | 23 | 19 | 2 | — | 184 | 10 | 6 | — | — | — | — | 2 | 18 |
| TOTAL ... ... | 12,621 | 9,121 | 806 | 2,164 | 769 | 520 | 331 | 26,332 | 3,267 | 715 | 73 | 221 | 4 | 1 | 148 | 4,429 |

## 3.—STORES.

The financial stringency referred to in last year's report continued during the year and restricted expenditure on Stores in all branches. With the exception of drugs, supplies have been cut down to a minimum. No new surgical apparatus or installations have been possible. As regards general stores the desire to avoid over-stocking led to postponed buying, which often resulted in inconvenience to the Department. Instead of the usual yearly contracts being placed, six months' contracts were introduced by the Ministry of Finance. This measure doubled purchase work and handicapped the work of issuing to a considerable extent.

As 28,000 requisitions are dealt with yearly, any change in procedure which interferes with facilities of purchase is a serious matter, and it is satisfactory to report that the extra pressure was met without needing to increase the staff or resulting in any accumulation of unfilled requisitions.

The inadequacy of staff referred to last year continues to hinder efficiency in several directions. The section is still short of its full complement of staff.

A further serious disadvantage is the want of store buildings at Headquarters. The Department has had to open two large stores in different parts of the town, namely at Faggala and Bulâq. This is not a good arrangement and the work suffers by the separation. As the Workshops also require three times the present accommodation the problem of providing adequate buildings will prove ultimately to be a matter of some difficulty and expense.

Early in the year a revision of the equipment allowed to Health offices was undertaken. These offices are in general scantily furnished and compare badly in this respect with the Provincial offices of other Departments. It is found that roughly L.E. 18,000 are required to put them on a better footing, and it is hoped to obtain the first instalment of this sum, L.E. 6,000, in the Stores' Estimates of 1923–1924.

A fuller allowance of clothing for Epidemic Staff was also worked out and fortunately provision for same could be maintained in next year's budget.

### Budget and Supplies.

The universal fall in prices has had a marked effect in reducing expenditure on Stores and Rations.

The following Budgetary Comparison evidences this :—

| | 1921–1922 | 1922-1923 |
|---|---|---|
| | L E. | L.E. |
| Stores ... ... ... ... ... ... | 198,900 | 136,760 |
| Rations ... ... ... ... ... ... | 122,600 | 92,180 |

The actual expenditure for 1921–1922 has even been below the reduced budgetary figures shown above, resulting in an economy of L.E. 76,640 for stores and L.E. 16,313 for rations.

Such a large economy is unusual, and results from an abnormal difference between estimated rates and the prices actually paid. The explanation of this is to be found in the rapid fall of prices during the year. The Stores' budget is compiled about nine months in advance. With a falling market, economy is bound to follow. But two other factors have intervened to modify the figure of actual expenditure, namely the foreign rate of exchange and the accumulation of large stocks in the Cairo market. The rate of exchange has been most marked in its effects in the Drugs Section. Local druggists have bought largely in Germany and as a result of this it is probable that during the coming year the Department will be using German products to a considerable extent.

In general stores, local merchants have been anxious to get rid of accumulated stocks, specially in textiles. Sales are effected at prices much below the cheapest home rates and it is doubtful whether the Department will ever again be in such a favourable position.

A third important saving has been contributed by the Epidemic Service. Through the declension of epidemics the wastage on equipment has been abnormally low. Unused stocks have in consequence accumulated at Headquarters, leading in turn to a reduction in the estimates for the following year.

Fortunately, any uncertainty felt as to the Store position if a recrudescence of epidemics takes place is relieved by the maintainance of full establishments in the provincial stores.

Table LXIX.

| | 1919-1920 | 1920-1921 | 1921-1922 |
|---|---|---|---|
| Stores bought locally (by limited tenders) ... ... ...L.E. | 8,750 | 35,950 | 28,300 |
| „ abroad (through Inspecting Engineer's Office) „ | 90,200 | 107,810 | 42,130 |

1,252 orders, local and foreign, have been dealt with.

Table LXX.

| | 1919-1920 | 1920-1921 | 1921-1922 |
|---|---|---|---|
| Number of contracts made during the year ... ... ... ... | 130 | 140 | 356 |
| Total value of contracts of the Department, including rations, etc. ... ... ... ... ... ... ... ... ...L.E. | 214,648 | 345,700 | 208,466 |
| Value of supplies for Central Stores :— | | | |
| Equipment ... ... . . ... ... ... ... ... ... „ | 50,564 | 103,735 | 59,644 |
| Drugs ... ... ... ... ... ... ... ... ... ... „ | 44,300 | 56,123 | 62,755 |
| Instruments ... ... ... ... ... ... ... ... ... „ | 9,500 | 6,743 | 8,633 |

Table LXXI.—The following is a Comparative Statement of Contracts placed by the Department in the Years 1919-1920, 1920-1921 and 1921-1922.

| Nature of Contract. | Unit Rates. | | | Total Value of Contracts. | | |
|---|---|---|---|---|---|---|
| | 1919-1920 | 1920-1921 | 1921-1922 | 1919-1920 | 1920-1921 | 1921-1922 |
| | Milliemes. | Milliemes. | Milliemes. | L.E. | L.E. | L.E. |
| Milk, in tins ... ... ... ... ... per tin | 50½ | 48 | 48 | 1,054 | 1,760 | 563 |
| Meat for Qasr el ʿAini Hospital :— | | | | | | |
| Mutton ... ... ... ... ... per kilo. | 105 | 107½ | 70 | | | |
| Beef ... ... ... ... ... „ | 98½ | 107½ | 70 | | | |
| Meat for Fever Hospital, ʿAbbâsiya :— | | | | 8,967 | 11,799 | 5,594 |
| Mutton ... ... ... ... ... per kilo. | 105 | 107½ | 70 | | | |
| Beef ... ... ... ... ... „ | 98½ | 107½ | 70 | | | |
| Petroleum ... ... ... ... ... per tin. | — | — | — | 714 | 1,320 | 1,25 |
| Crude Oil ... ... ... ... ... per kilo. | — | — | — | 1,111 | 1,085 | 1,060 |
| Native bread :— | | | | | | |
| Qasr el ʿAini Hospital ... „ | 25⅔ | 28·7 | 18·7 | 7,787 | 7,492 | 4,389 |
| Fever Hospital, ʿAbbasiya... „ | 25⅔ | 28·2 | 19·3 | | | |
| Alcohol ... ... ... ... ... ... per kilo. | — | — | — | 1,530 | 3,241 | 8,680 |
| Ice ... ... ... ... ... ... ...per block | 92½ | 86·4 | 105 | 2,658 | 2,166 | 2,884 |
| Drugs, ... ... ... ... ... ... ... ... | — | — | — | 44,300 | 56,123 | 32,038 |
| Equipment, etc. ... ... ... ... ... ... | — | — | — | 97,000 | 103,735 | 33,572 |
| Coal ... ... ... ... ... ... ... ... | — | — | — | 2,837 | 9,742 | 9,240 |
| Disinfecting drums ... ... ... ... ... | — | — | — | 2,769 | 640 | 315 |
| Tents ... ... ... ... ... ... ... ... | — | — | — | 16,208 | 17,019 | 8,068 |
| Rations :— | | | | | | |
| For Cairo hospitals ... ... ... ... | — | — | — | 47,690 | 46,025 | 30,221 |
| For provincial hospitals ... ... ... | — | — | — | 62,759 | 76,576 | 61,959 |
| Instruments ... ... ... ... ... ... ... | — | — | — | 9,500 | 6,743 | 8,633 |

TABLE LXXII.—STATEMENT OF COMPARATIVE PRICES OF SOME OF THE MAIN ITEMS OF EQUIPMENT AND DRUGS FOR THE YEARS 1919-1920, 1920-1921 AND 1921-1922.

| Index No. | Description of Item. | Rate in Milliemes. | | |
|---|---|---|---|---|
| | | 1919-1920 | 1920-1921 | 1921-1922 |
| | *Equipment.* | | | |
| 729 | Gallabîyas, large ... ... ... ... ... ... ... | 692 | 1,199 | 764 |
| 852 | Jackets, calico ... ... ... ... ... ... ... | 308 | 280 | 135 |
| 1071 | Mattresses, bed, felt ... ... ... ... ... ... | 440 | 509 | 464 |
| 1448 | Sheets, 2nd class ... ... ... ... ... ... ... | 951 | 1,720 | 390 |
| 1451 | „ draw, thick ... ... ... ... ... ... ... | 240 | 700 | 290 |
| 1475 | Shoes, tamurghis ... ... ... ... ... ... ... | 345 | 670 | 200 |
| 1501 | Slippers ... ... ... ... ... ... ... ... ... | 235 | 244 | 135 |
| 1126 | Soap, washing ... ... ... ... ... per kilo. | 65 | 77 | 45 |
| | *Drugs.* | | | |
| 380 | Aspirine ... ... ... ... ... ... ... ... ... | 1,560 | 919 | 650 |
| 383 | Acid, boric... ... ... ... ... ... ... ... ... | 120 | 119 | 110 |
| 389 | „ carbolic ... ... ... ... ... ... ... ... | 132 | 70 | — |
| 427 | Alcohol ... ... ... ... ... ... ... ... ... | 33½ | 60 | 45 |
| 534 | Bismuth carbonas ... ... ... ... ... ... ... | 2,890 | 2,490 | 1,700 |
| 638 | Copper sulphas ... ... ... ... ... ... ... | 294 | 117 | 200 |
| 807 | Glycerine ... ... ... ... ... ... ... ... ... | 176 | — | 200 |
| 871 | Iodine, pure ... ... ... ... ... ... ... ... | 3,500 | 3,120 | 2,400 |
| 1004 | Magnesium sulphas... ... ... ... ... ... ... | 39 | 30 | 40 |
| 1121 | Castor oil ... ... ... ... ... ... ... ... ... | 171 | 174 | 104 |
| 1127 | Turpentine... ... ... ... ... ... ... ... ... | 201 | 276 | 150 |
| 1131 | Opium ... ... ... ... ... ... ... ... ... | 9,026 | — | 2,490 |
| 1219 | Potassium iodide ... ... ... ... ... ... ... | 1,852 | 1,901 | 1,995 |
| 1212 | „ bromide ... ... ... ... ... ... ... | 1,570 | 641 | — |
| 1272 | Quinine sulphas ... ... ... ... ... ... ... | 8,541 | — | 9,000 |
| 1325 | Sodium bicarbonas ... ... ... ... ... ... ... | 26 | 22 | 23 |
| 1154 | Vaseline ... ... ... ... ... ... ... ... ... | 166 | 233 | 179 |
| 1342 | Sodium salicylas ... ... ... ... ... ... ... | 536 | 523 | 300 |
| 1117 | Cod liver oil ... ... ... ... ... ... ... ... | 320 | 270 | 250 |
| 869 | Iodoform ... ... ... ... ... ... ... ... ... | 2,875 | 2,598 | 2,890 |

| | 1919-1920 | 1920-1921 | 1921-1922 |
|---|---|---|---|
| Number of preparations made in the Pharmacy Stores ... ... | 789 | 891 | 1,053 |

Medicine to the value of L.E. 4,511 were sold in the various dispensaries of the Department as against L.E. 3,934 for the year 1920–1921.

TABLE LXXIII.—COMPARISON OF BUDGETARY ESTIMATES OF 1921–1922 AND 1922–1923.

| | 1921-1922 | | 1922-1923 | | |
|---|---|---|---|---|---|
| | L.E. | M. | L.E. | M. | |
| EQUIPMENT :— | | | | | |
| Permanent, by contract | 70,555 | 210 | 34,341 | 000 | |
| Consumable, by contract | | | 24,018 | 000 | |
| Permanent, locally | 2,494 | 815 | 1,703 | 000 | |
| Consumable, locally | 6,543 | 219 | 2,873 | 000 | |
| Clothing, new demands, epidemic | 7,110 | 250 | 4,519 | 000 | (1) |
| Uniforms | 459 | 200 | 2,515 | 000 | (2) |
| Tentage | 9,160 | 282 | 7,177 | 000 | |
| Disinfecting apparatus | 106 | 100 | — | | (3) |
| Disinfectants | 1,426 | 000 | — | | (4) |
| New demands (epidemic) | 5,587 | 500 | 6,069 | 000 | |
| DRUGS | 76,097 | 252 | 55,037 | 000 | |
| INSTRUMENTS | 8,632 | 800 | 8,877 | 000 | |
| Transferred from 1921–1922 Budget | — | | 18,029 | 000 | |
| | 188,172 | 628 | 165,158 | 000 | |
| To deduct for issues on payment | 12,500 | 000 | 5,000 | 000 | |
| | 175,672 | 628 | 160,158 | 000 | |
| To add 5 per cent margin | 8,783 | 631 | 7,349 | 000 | |
| | 184,456 | 259 | 167,507 | 000 | |
| To add for repairs | 2,200 | 000 | 2,404 | 000 | (5) |
| | 186,656 | 259 | 169,911 | 000 | |
| Hospital requirements of fuel, petroleum, fire-wood, etc | — | | 1,000 | 000 | |
| Stores, recurrent expenditure for Qena Ophth. Hospital | — | | 500 | 000 | |
| Excise duty on medicinal alcohol | — | | 4,100 | 000 | |
| New demands, Alexandria Hospital | 5,200 | 000 | — | | |
| Drugs, for Egyptian State Railways | 1,700 | 000 | (6) — | | |
| Kitchen stove | 200 | 000 | — | | |
| Time recorder for Qasr el 'Aini Hospital | 100 | 000 | — | | |
| To connect gas and electric installation at P.H.D. Laboratories | 650 | 000 | — | | |
| X-ray programme | 2,000 | 000 | (7) — | | |
| Recurring expenditure for Alexandria and Luxor Lock Hospitals | 165 | 000 | — | | |
| Drugs for State Domains | 400 | 000 | (8) — | | |
| Drugs for venereal diseases | 2,730 | 000 | (9) — | | |
| | 199,801 | 000 | | | |
| To deduct for economy in upkeep of electric plant at Qasr el 'Aini Hospital | 900 | 000 | — | | |
| | 198,901 | 000 | | | |
| Prophylactic Measures against Ankylostoma | 9,000 | 000 | 9,000 | 000 | |
| New Works (Special Credits) | 8,900 | 000 | 30,133 | 000 | |
| GRAND TOTAL | 216,801 | 000 | 214,644 | 000 | |

(1) This includes epidemic clothing, also clothing, normal equipment for the whole Department.

(2) Last year the bulk of the uniforms was supplied by the Police Stores and included in their budget.

(3) Included under "New Demands."

(4) ,, under "Drugs."

(5) Including the sum of L.E. 204 for maintainance of Disinfecting Stations.

(6) Included under "Drugs."

(7) ,, under "New Works" Special Credit.

(8).(9) Included under "Drugs."

TABLE LXXIV.—STORE TRANSACTIONS.

| | REQUISITIONS VOUCHERS. | | | |
|---|---|---|---|---|
| | Issued. | | Stores received at Headquarters. | |
| | 1920 | 1921 | 1920 | 1921 |
| Permanent ... ... ... ... | 5,406 | 5,399 | 1,843 | 1,538 |
| Consumable ... ... ... ... | 5,938 | 5,876 | 2,022 | 1,846 |
| Drugs ... ... ... ... ... | 6,438 | 5,417 | 1,642 | 1,544 |
| Faggala Store ... ... ... | 1,507 | 1,490 | 263 | 199 |
| Surgical Instruments ... ... | 3,118 | 2,762 | 712 | 633 |
| *Kohna* Store ... ... ... ... | 6,046 | 4,263 | 3,019 | 3,021 |
| Forage ... ... ... ... ... | 147 | 163 | 116 | 137 |
| Hygienic Institute ... ... | 24 | 29 | 24 | 27 |
| TOTAL ... ... | 28,624 | 25,399 | 9,461 | 8,945 |

| | 1920 | 1291 |
|---|---|---|
| Number of charges of permanent stores in the Department | 300 | 300 |
| Value of stores issued on payment ... ... ... L.E. | 19,022 | 12,185 |
| Value of stocks at annual stock-taking :— | | |
| Instrument Store ... ... ... ... ... ... „ | 10,276 | 12,093 |
| Drug Store ... ... ... ... ... ... ... „ | 48,112 | 58,537 |
| Permanent Store ... ... ... ... ... ... „ | 102,116 | 81,707 |
| Consumable Store... ... ... ... ... ... „ | 23,064 | 17,158 |
| *Kohna* Store ... ... ... ... ... ... ... „ | 2,340 | 1,019 |
| Faggala Store ... ... ... ... ... ... „ | 15,413 | 55,156 |
| | 202,321 | 225,670 |

| | INCOMING. | | OUTGOING. | | TOTAL. |
|---|---|---|---|---|---|
| | Arabic. | English. | Arabic. | English. | |
| Number of letters dealt with during the year | 23,432 | 7,504 | 11,255 | 6,739 | 48,930 |

List showing Repairs and New Work made by the Workshops from April 1921 to April 1922.

## BLACKSMITHS' WORKSHOPS.

*Repairs.*

| | | | |
|---|---|---|---|
| Dressing box | 2 | Brackets for lantern, motorcar | 10 |
| Coal box | 5 | Sides of bedsteads, 2nd Class | 4 |
| Angles, iron, for boxes | 166 | Bedsteads, 1st Class | 37 |
| Ice-chest zinc | 8 | Bedsteads, various, 2nd Class | 1,615 |
| Unions, i.g., for Vaccine Institute | 2 | Cradles, iron | 16 |
| Chain, iron, for doors and carts | 13 | Iron bedsteads, children | 36 |
| Machine for opening drawers | 1 | Bed, movable, wire | 2 |
| ,, ,, boxes | 6 | Mattresses, wire | 99 |
| ,, for press copying | 4 | Lathes, iron | 5 |
| Mangling machines | 2 | Poles, iron, mosquito-nets | 49 |
| Machine for cleaning carpets | 2 | ,, for carriages | 5 |
| Hair clipper | 1 | Poles, upright, operation tents | 15 |
| Brackets, iron, small | 16 | Unions, iron, for tent poles | 280 |
| Typewriters | 6 | Pins, iron, for tent poles | 58 |
| Cylinder for mangling machine | 2 | Rings, iron, for tents | 91 |
| Grinders, coffee | 3 | Carts, hand | 15 |
| Stands, iron, for barrels | 4 | Tanda carts | 34 |
| ,, ,, double, for irrigators | 1 | Carts, tank | 11 |
| ,, ,, for *zîr* | 20 | Carts, 4 wheels | 19 |
| ,, ,, for fish kettles | 12 | Iron handles for hand carts | 6 |
| ,, ,, for basins | 45 | Heating stoves, coal | 2 |
| ,, ,, for paraffin tanks | 3 | Stoves, cooking | 7 |
| ,, for syringes, etc. | 11 | Forges | 3 |
| ,, ,, funnels | 6 | Brushes for floor | 2 |
| ,, dressing tables | 6 | Scrapers, iron | 43 |
| Holders for leg of operation table | 2 | Filters, portable | 19 |
| Stands for irons | 5 | ,, 1-candle | 6 |
| Boilers, steam | 2 | Iron, flat, for ironing | 44 |
| Chimney for boiler | 1 | Pans, dust | 2 |
| Corkscrew | 1 | Splints, various | 50 |
| Hinges, brass | 5 | Axes with handles | 20 |
| ,, iron | 22 | Couplings, various | 37 |
| Hooks, door, etc. | 2 | Pumps, water | 24 |
| Espagnolette for window | 1 | Pump, oil | 1 |
| Latch, brass | 1 | Springs, wire, for X-Ray, K.A.H. | 12 |
| Knobs, iron | 32 | ,, for window | 4 |
| Bags, leather, correspondence | 15 | Spuds, weeding | 1 |
| Trolleys for dressings | 6 | Mowers, garden | 7 |
| Tables for dressings | 18 | Boards, iron-sheeting | 5 |
| ,, for chloroform | 11 | Tanks for paraffin | 6 |
| ,, iron, bedside | 5 | ,, movable, water | 8 |
| Trolleys, operation | 27 | Shovels | 4 |
| Tables, iron, operation | 4 | Electric baths | 13 |
| ,, ,, galv., travelling | 47 | I.G. bath, long | 1 |
| Brass frame for dressing table | 1 | Iron bars, for window | 9 |
| Shelves, i.g., for tables, sick | 10 | Shamsia (Umbrella), Ophth. | 2 |
| Stools, operations | 2 | Cupboard for insts. | 1 |
| Brass case for wheel | 6 | Taps for Labs. | 6 |
| Washer, i.g., for stoves | 5 | Chair, revolving | 1 |
| Rails for towels | 14 | Brackets, iron, various | 2 |
| Spanner | 1 | Perforator, paper | 1 |
| Keys, doors, tables, etc. | 503 | Bars, iron, for lanterns | 100 |
| Benches for tools | 2 | Tell-tale clock | 1 |
| Locks for benches | 9 | Drums, disinfecting | 254 |
| ,, various | 190 | ,, butter | 1,168 |
| Knife, mincing, vegetable | 1 | Stretcher, iron, without wheels | 1 |
| ,, kitchen | 5 | | |

## BLACKSMITHS' SHOPS.

*New Articles.*

| | | | |
|---|---|---|---|
| Thomas splints for arm and foot | 201 | Tube, brass, for Labs. | 1 |
| Splints, various | 13 | Covers, brass, for sterilizer lamps | 20 |
| Frames for Thomas splints, iron | 6 | Crate for heating stove | 1 |
| Belts, iron, for splints | 30 | Mallets for tinsmith | 3 |
| Angles, iron, for splints | 322 | Ironing stove | 1 |
| Instrument cupboards | 4 | Metre canes for drains | 85 |
| Stands for formaline apparatus | 2 | Mattresses, wire | 22 |
| ,, for operation table | 4 | Brass casting, large, for revolving chair | 2 |
| ,, tripods for evaporating dishes, funnels, etc. | 40 | Keys for oxygen cylinders | 3 |
| Stands for irrigators, double and single | 5 | Lock | 1 |
| Rests, foot and arm | 44 | Rods, iron, for curtains | 15 |
| Back rests for bedsteads | 20 | Hinges, iron | 19 |
| Shelves, zinc, copper, and iron for tables, dressings and operation | 11 | Stove, cooking | 1 |
| Dressing tables | 8 | Brackets, iron, for shelves | 12 |
| Operation tables | 8 | Skewers | 3 |
| Instrument tables, glass shelves | 6 | Hooks for bedsteads | 100 |
| ,, ,, copper shelves | 2 | Shovel for coal | 1 |
| Tables (trolley), operation | 3 | Cages for sponges | 4 |
| Examination table | 1 | Stands for basin, wash-hand | 2 |
| Iron bedsteads for operations | 2 | Union for fire hose, taps, etc. | 3 |
| | | Trolleys, operation | 3 |

## INSTRUMENTS' WORKSHOPS.

*New Work.*

| | | | |
|---|---|---|---|
| Discs, lead, Oph. Hospt. | 124,400 | Bracket, brass, electric | 1 |
| Pieces, connecting, for syringes | 36 | | |

*Repairs.*

| | | | |
|---|---|---|---|
| Aspirators, Potain's | 14 | Scissors, straight | 1,325 |
| Batteries, electric | 35 | ,, eye | 240 |
| Catheters, metal | 53 | ,, P.M. | 54 |
| Curettes and spoons | 71 | Speculas, vaginal | 30 |
| Directors and probes | 27 | ,, eye | 19 |
| Stethoscopes, binaural | 54 | Autoclaves | 7 |
| Droppers, chloroform | 46 | Sterilizers, instruments | 5 |
| Forceps, artery | 377 | ,, water | 10 |
| ,, dressings | 431 | Drums, dressings | 83 |
| ,, bone | 41 | Syringes, brass, wounds | 15 |
| ,, eye | 30 | ,, hypodermic | 32 |
| ,, midwifery | 16 | Thermo-cauteries | 9 |
| ,, tooth | 18 | Hammers | 22 |
| Gags | 2 | Trephines | 12 |
| Gouges | 134 | Trocars | 31 |
| Guillotines | 23 | Pillows, water | 4 |
| Hooks | 11 | Knives, bandages machine | 44 |
| Knives, amputation | 100 | ,, mincing machine | 229 |
| Bistouries, curved and straight | 108 | Stands, sterilizers | 1 |
| Cartilage knives | 152 | Tubes, tracheotomy | 3 |
| Scalpels | 3,233 | Centrifuges, various | 3 |
| ,, eye | 2,480 | Scarificators | 2 |
| ,, P.M. | 53 | Suture, inst. set. | 1 |
| Lancets | 114 | Compass, P.M. | 1 |
| Needles, syringe | 2,532 | Boxes, scalpels | 3 |
| ,, suture | 193 | Drill, bone | 1 |
| Perimetres | 8 | Sheets, Kelleys | 2 |
| Razors | 398 | Repositors, iris | 3 |
| Retractors | 2 | Rack, scalpels | 1 |
| Saws, amputation | 22 | Hair-clippers | 1 |
| ,, finger | 20 | Bottle, thermo-cauteries | 1 |
| ,, P.M. | 33 | Depressor, tongue | 1 |
| Scissors, curved | 436 | Canula, saline infusion | 1 |

INSTRUMENTS' WORKSHOPS.—REPAIRS (*continued*).

| | | | |
|---|---|---|---|
| Tube, perineal | 1 | Cords (electric) for keeping tables warm | 1 |
| Baths, electric | 2 | Reels, metal, ligature sterilizer | 1 |
| Trays, needle | 2 | Enemas, I.R. | 1 |
| Frames, trial lenses | 2 | Oxygen bags | 1 |
| Buttons, Murphy's | 2 | Splint, arm | 1 |
| Clover's crutch | 1 | Loop, platinum | 1 |
| Skin grafting inst. | 1 | Primus stoves, 1 burner | 188 |
| Shelves, tables | 2 | ,, ,, 3, 4, and 6 burners | 21 |
| Wafer machine | 1 | Soldering stoves | 4 |
| Arm bath | 1 | Kitchen stoves, 2 pans | 3 |
| Water beds | 2 | Lamps, table, spirit | 8 |
| Stand, test tubes | 1 | Stamps, brass | 20 |
| Mirror, laryngeal | 1 | ,, indiarubber | 8 |
| Dilator, urethral | 1 | Casseroles, steel | 8 |
| Axis, test type boxes | 2 | Pans, steel | 5 |
| Strainers, insts. sterilizers | 1 | Electric lamps, long | 14 |
| Lithotrites | 7 | ,, ,, square | 11 |
| Tourniquets | 7 | Burners for spirit lamps | 2 |
| Lamps, insts. sterilizers | 6 | Scissors for plants | 1 |
| ,, gas | 4 | Numbering machines | 4 |
| Clips, drainage tubes | 4 | Pans, frying | 1 |
| Kettles, bronchitis | 5 | Perforators | 2 |
| Evacuators, Milton's | 6 | Machines for mincing meat | 6 |
| Baths, infants | 2 | Knives, table | 33 |
| Syringes, serum | 74 | ,, bread | 1 |
| ,, blood | 19 | Bell, portable | 1 |
| Tape, measure | 9 | Heating stoves | 4 |
| 606 apparatus | 2 | Machine for fire-extinguishing | 1 |
| Scale, hand | 2 | ,, for testing eggs | 1 |
| Dilators, uterine, set | 1 | Forks | 18 |
| Incubator | 1 | | |

## TINSMITHS' WORKSHOPS.

*New Articles.*

| | | | |
|---|---|---|---|
| Discs, zinc | 321 | Sterilizers, copper, for syringes | 6 |
| Rings for inventory boards | 71 | Pans for steam apparatus | 6 |
| Zinc boxes, dressing | 20 | Irrigators, surgical | 6 |
| Boxes, zinc (test type sheets), 7 divisions | 52 | Pails, 50 lit, | 2 |
| ,, ,, various | 7 | Mugs, tin, 200 grammes | 2 |
| ,, for cards | 6 | Set copper discs (1–60) | 1 |
| Moulds, sweet, tin, various | 28 | Cans with covers, for flour, sugar, etc. | 13 |
| Strainers for refuse | 76 | Cans for tea, $\frac{1}{4}$ litre | 8 |
| Drums with tap | 6 | Cans, tin, 1 litre | 2 |
| Ice chest, large | 2 | Cans, 10 litres milk | 2 |
| Stands, copper, for test tubes | 8 | Copper baths, round, for labs. tubes | 6 |
| Cylinders for spirit lamp | 5 | Baths, zinc, for arm | 5 |
| Zinc cover for perimeter | 3 | ,, ,, long | 1 |
| Basins for ice chests | 5 | ,, ,, for children | 1 |
| Pot for coffee | 1 | | |

*Repairs.*

| | | | |
|---|---|---|---|
| Tins, soldering | 3,556 | Lantern, hospital pattern | 69 |
| Kilos wire, cutting into bundles | 793 | Stamping teshts, copper | 50 |
| Spirit stove, tin | 178 | Cans, watering, gardener | 77 |
| Tin covers for cases | 100 | Glass, sheets, fitting | 182 |
| Aluminium boards | 223 | Zinc warmers, foot | 213 |
| Candlesticks | 70 | Covers for pails, W.C. | 27 |
| Traps, rat | 734 | Pails, W.C. | 22 |
| Drums, cleaning and soldering | 639 | Mugs, tin | 21 |
| Disinfecting sprays | 114 | Cases, for rabbits, Labs. | 26 |
| Pails, 18 lit. | 183 | Cages for rabbits | 14 |
| Pannikins | 558 | Lamps, table, kerosene | 26 |
| Plates, tin | 151 | Heating stoves, kerosene | 18 |
| Tins, cleaning | 130 | Cans, tin, for spirit | 21 |
| Lamps, hurricane | 186 | Boards, tin, diet | 15 |
| Ice chests, ordinary | 64 | Formaline apparatus | 16 |

TINSMITHS' WORKSHOPS.—REPAIRS (*continued*).

| | | | |
|---|---|---|---|
| Ammonia apparatus | 18 | Pressers for potatoes | 8 |
| Nozzles for watering cans | 32 | Box, iron, for pots | 7 |
| Coffee cans, metal | 14 | Trays, tin, for pots | 9 |
| Strainers, tin, soap | 22 | Sterilizers, air | 5 |
| Boxes, lining with zinc | 12 | Baths, water | 3 |
| Poles, wooden, bedsteads | 28 | Stands for tubes | 4 |
| Lamps, copper, hosptital pattern | 23 | Egg beaters | 3 |
| Cans, W.C. | 12 | Chamber pots, copper | 2 |
| Baths, zinc, large | 20 | Apparatus for warming chest | 2 |
| Cups, tin, feeding | 15 | Tandas, cart | 2 |
| Ladles, small, large | 13 | Can, ironing | 1 |
| Kettles, i.g. | 5 | Tables, covering with zinc | 5 |
| Seats, W.C. | 14 | Safes, meat | 3 |
| Dishes carrier, zinc | 15 | Freezers, ice | 2 |

## TENT-MAKERS' WORKSHOPS.

### *Repairs.*

| | | | |
|---|---|---|---|
| Tents, patient, 2 poles | 195 | Pillow, for children | 5 |
| ,, W.C. (latrine screen) | 278 | Mats, felt, floor | 51 |
| ,, Doctor, 2nd Class, large and small | 47 | Felt pieces for cleaning floor | 10 |
| ,, one pole | 83 | Bottle, aluminium, felt cover | 21 |
| ,, Inspector, 1st Class, large | 7 | Covering, Zamzamia with leather | 1 |
| ,, stable, large | 8 | Canvas pieces for portable bedsteads and stretchers | 284 |
| Operation tent | 4 | Curtains for windows | 8 |
| Tents, W.C., Indian | 9 | Covers, motor-cycle and carts | 2 |
| ,, Inspector, small | 3 | Stretchers with wheels | 8 |
| Shamsia, Dr. tent, large and small | 47 | Sacks, grain | 49 |
| ,, tent, 2 poles | 213 | ,, disinfecting | 18 |
| ,, ,, 1 pole | 39 | Carpets, various | 15 |
| ,, operation tent | 11 | Ko cotton, cleaning | 2,062 |
| ,, Inspector, tent, large | 9 | Covers for sheds, kohna calico | 45 |
| ,, ,, ,, small | 14 | Rubbish baskets, to cover with canvas | 40 |
| Tent side for stable tent | 12 | Chair, portable, back-rest, large and small | 107 |
| ,, ,, ,, operation tent | 14 | ,, upholstered | 2 |
| Valise, packing, tents | 89 | ,, long, upholstered | 1 |
| Shamsia (umbrella) | 2 | Sofas, upholstered | 3 |
| Mattresses, crin végétal | 329 | Upholstered legs for operation table | 2 |
| ,, cotton | 289 | Water skin | 1 |
| ,, children | 9 | Apparatus, head extension | 2 |
| ,, felt | 1 | Clover's crutch | 1 |
| Cases for mattresses | 104 | Bags, leather, for correspondence | 7 |
| Pillow, cotton, large | 298 | Linoleum, laying | 3 |
| ,, cotton, round, chair | 42 | Pairs, sandals | 16 |
| ,, for Assiouti chair, back and seat | 10 | Baskets, large, for bread | 2 |
| ,, crin végétal | 188 | | |
| ,, cotton, square | 24 | | |

### *New Articles.*

| | | | |
|---|---|---|---|
| Mattresses, cotton | 320 | Sacks for packing operation tents and poles | 6 |
| ,, crin végétal | 544 | Carpets | 6 |
| Pillows, crin végétal | 540 | Curtains, window | 12 |
| ,, cotton, various | 13 | Chairs, office, upholstered | 8 |
| Mats, felt, floor | 80 | Sofas, upholstered | 2 |
| Shamsia, Dr. tent, large | 1 | Stands for operation table | 2 |
| Canvas pieces for stretchers | 32 | Apparatus, head extension | 2 |
| Operation stretchers | 3 | Leather belts, centrifuge | 8 |
| Tandas (sun-blinds) | 14 | Leather bag for syringe boxes | 1 |
| Covers, calico, for Tanda cart | 8 | Irrigators, surgical, zinc | 6 |
| Covering a kiosk (garage) with canvas | 1 | Thomas splint for back | 1 |
| Nets, curtain, for mosquitoes | 9 | Felt covers for foot warmers | 30 |

## PAINTERS' WORKSHOPS.

*Articles Painted.*

| | | | |
|---|---|---|---|
| Tables | 379 | Brackets, wooden | 8 |
| Desks (Office tables) | 40 | Stretchers | 6 |
| Bedsteads | 277 | Splints, iron | 51 |
| Cupboards | 75 | Stands, Ophth. tables | 8 |
| Boxes | 535 | Rakes, garden | 1 |
| Shelves, various | 134 | Angles, books, iron | 250 |
| Shelves, zinc | 8 | Scrapers, iron | 13 |
| Boards, tin | 195 | Copying presses | 6 |
| Ice chests | 33 | Bottles, medicine, ophth. | 56 |
| Electric baths | 27 | Chests of drawers | 2 |
| Seats, wooden, for garden | 28 | Iron bars for oven | 6 |
| Trays, wooden | 10 | Pumps | 8 |
| Racks, paper | 6 | Bags, correspondence | 21 |
| Poles for flag | 3 | Tin covers, various | 181 |
| Stands, basin | 45 | Cans, tin | 11 |
| Stands, tubes, etc | 143 | Buffet | 1 |
| Boards, wooden, notice, etc. | 172 | Perforators | 3 |
| Motor-cars | 2 | Lamps | 31 |
| Floorings, wooden (pieces) | 13 | Stoves, cooking, heating, etc. | 7 |
| Painting floors of rooms | 11 | Partitions, wooden | 2 |
| Screens | 43 | Poles for curtains | 10 |
| Rests for foot | 100 | Globes for lamps | 3 |
| Meat-mincing machines | 16 | Lathes, iron | 100 |
| Bases for safes | 4 | Autoclave | 1 |
| Baskets | 30 | Apparatus, formaline, etc. | 2 |
| Racks, clothes | 8 | Barrels | 98 |
| Holders (pegs) for clothes | 32 | Chamber pots | 9 |
| Shovels | 5 | Drawers, wooden, Labs. | 100 |
| Lanterns | 14 | Wire mattresses | 7 |
| Doors | 5 | Cages, bed, patients | 9 |
| Back-rests (bed) | 2 | Ladders | 5 |
| Filters | 6 | Wooden stand for operation room | 1 |
| Carts | 55 | Painting furniture, Gamaliah H.O. | |
| Kiosks, Ghaffir | 2 | ,, ,, Laboratories. | |
| Mirrors | 2 | ,, ,, Suez Hospital. | |
| Chairs | 309 | ,, ,, Tanta Hospital. | |
| Brushes, floor | 13 | ,, ,, Kasr el 'Aini Hospital. | |
| Sofas | 5 | ,, ,, Port Said Hospital. | |
| Safes, meat | 3 | ,, ,, Mansoura Ophth. Hospital. | |
| Drums, iron | 213 | ,, ,, Tanta Ophth. Hospital. | |
| Windows | 14 | ,, ,, Beni Suef Ophth. Hospital. | |
| Disinfecting machines | 6 | | |

## CARPENTERS' WORKSHOPS.

*New Articles.*

| | | | |
|---|---|---|---|
| Poles, various | 355 | Cages for monkeys | 6 |
| Handles for brooms | 98 | Stand for amphitheatre | 1 |
| Tables | 29 | Ladders, wooden | 3 |
| Cupboards | 10 | Kiosks, gaffirs, etc. | 4 |
| Stretchers | 3 | Drawers, wood, Labs. | 200 |
| Boxes, small, for post parcels | 988 | Crutches | 650 |
| ,, filters | 4 | Splints, wooden | 31,910 |
| Cases, wooden, small, for tubes, etc. | 658 | Boards, notice, etc. | 48 |
| Crates, packing, wooden | 527 | Trays, wooden | 13 |
| Wooden board for cart | 1 | Holders for curtains | 10 |
| Screens | 22 | ,, for clothes | 21 |
| Racks, paper | 4 | Shelves | 19 |
| ,, various | 59 | Windows | 9 |
| Baskets, wooden | 15 | | |

*

CARPENTERS' WORKSHOPS (*continued*).

*Repairs.*

| | | | |
|---|---|---|---|
| Ice chests | 21 | Seats, garden | 4 |
| Tables | 76 | Racks, paper | 4 |
| Chairs | 572 | Electric baths | 7 |
| Boards, wooden, meat | 3 | Racks, various | 105 |
| Brushes | 17 | Baskets, wooden, various | 10 |
| Cupboards | 25 | Mallets | 48 |
| Stretchers | 50 | Cages for bottles | 7 |
| Boxes, filters | 2 | Ladders | 2 |
| Boxes, canteen, specimen, etc. | 403 | Cylinders for mangling machine | 4 |
| Packing cases | 3,600 | Boards, notice, diet, etc. | 74 |
| Cases for tubes, etc. | 100 | Flooring, wooden, for tent | 3 |
| Hoes handles | 7 | Shelves | 9 |
| Carts | 21 | Windows | 3 |
| Screens | 17 | | |

TAILORS' WORKSHOPS.

*New Articles.*

| | | | |
|---|---|---|---|
| Suits, khaki | 14 | Coats, white, doctors | 21 |
| Caps for Kablas, etc. | 147 | Aprons, mackintosh | 54 |
| Protectors, eye, calico (Ophthalmic) | 20 | Sheets, mackintosh | 4 |
| Chevrons, arm | 551 | Mosquito nets | 16 |
| Gallabias | 81 | Covers, screen, calico | 21 |
| Shirts for babies | 117 | Cases, pillow | 56 |
| Drawers | 3 | Covers, felt, for foot warmers | 30 |

*Repairs.*

| | | | |
|---|---|---|---|
| Suits, Shawishes | 125 | Towels, bath | 2 |
| Trousers, Shawishes | 4 | Sheets | 112 |
| Overcoats | 13 | Cases, pillow | 13 |
| Gallabias | 29 | Blankets, woollen | 37 |
| Drawers | 32 | Mosquito net | 1 |
| Shirts | 81 | | |

## 4.—LEGAL.

The legal enactments concerning the work of the Department which were published during 1921 are mentioned hereunder :—

Arrêté du 28 mars 1921 ajoutant à la première partie du Tableau des Maladies Infectieuses annexé à la Loi No. 15 de 1912 les maladies suivantes :—

l'Encéphalite Léthargique,
La Polio-Encéphalite Aiguë et
La Polio-Myélite Aiguë.

*Arrêté* du 17 avril 1921, prohibant l'importation des pinceaux à barbe provenant du Japon.

*Arrêté* du 25 septembre 1921, ajoutant à la Classe II, Catégorie A, des Établissements Incommodes Insalubres et Dangereux, les dépots et établissements pour la vente du beurre naturel et des produits pouvant remplacer le beurre.

Below is given the usual table regarding prosecutions for infractions of public health legislation and the result of same.

TABLE LXXV.—LIST OF CONTRAVENTIONS AGAINST PUBLIC HEALTH LEGISLATION DURING 1921.

| NAME OF LAW, ETC. | Cairo. | Port Said. | Ismailia. | Suez. | Damietta. | Qalyûbiya. | Minûfiya. | Gharbiya. | Daqahliya. | Sharqiya. | Beheira. | Giza. | Faiyûm. | Beni Suef. | Minya. | Asyût. | Girga. | Qena. | Assuan. | TOTAL. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Vidange* and *dépotoirs*. *Arrêté* of November 8, 1886, modified by *Arrêté* of June 2, 1910 ... ... ... ... ... | 529 | 118 | 1 | 71 | 2 | 2 | — | 56 | 191 | 8 | 2 | 1 | 3 | — | 1 | — | — | — | — | 985 |
| Practice of medicine and its branches. *Arrêté* of June 13, 1891 ... ... ... ... ... ... ... ... ... ... ... ... | 2 | — | — | 1 | 1 | 1 | 9 | 13 | 9 | 17 | 9 | 4 | 5 | 5 | — | 3 | 2 | 2 | — | 83 |
| Practice of Dentistry. Law No. 14, 1920 ... ... ... | — | — | — | — | — | — | — | 1 | 1 | — | 1 | — | — | — | — | — | — | — | — | 3 |
| Vaccination. Decree of December 17, 1890, modified by Decree of August 6, 1897, and by Law No. 9, 1917 ... | 321 | 36 | 40 | 1 | 20 | 56 | 139 | 271 | 202 | 105 | 257 | 107 | 91 | 46 | 265 | 184 | 143 | 176 | 51 | 2,511 |
| Enclosure of waste lands. *Arrêté* of June 15, 1893 ... | 32 | — | — | — | 16 | 7 | — | 21 | 21 | 2 | 43 | — | 1 | — | 12 | — | — | — | — | 155 |
| CEMETERIES :— | | | | | | | | | | | | | | | | | | | | |
| Inhumation, exhumation, and transport of bodies abroad. Regulations of September 15, 1876, and March 26 and October 30, 1877... ... ... ... ... | — | — | — | — | — | 1 | 17 | 1 | 1 | 1 | — | — | 1 | 1 | — | — | — | — | — | 23 |
| Transfer of cemeteries. Decree of January 29, 1894 | — | — | — | — | 1 | — | — | — | 11 | — | — | — | — | — | 14 | — | — | — | — | 26 |
| Enclosure of cemeteries ; unauthorized inhumation. Decree of March 12, 1898 ... ... ... ... ... ... | — | — | — | — | — | — | — | 21 | 11 | 11 | 10 | — | 1 | 2 | — | 5 | — | — | — | 61 |
| PROPHYLACTIC MEASURES :— | | | | | | | | | | | | | | | | | | | | |
| Permanent and exceptional measures to prevent epidemics. *Arrêtés* of May 11, 1895, and December 19, 1904 | — | — | — | — | — | — | — | — | — | — | — | — | 8 | — | 10 | 90 | — | — | — | 108 |
| Oysters and shell-fish during epidemics. *Arrêté* of June 16, 1912 ... ... ... ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Cholera. *Arrêté* of October 17, 1895, and supplementary *Arrêté* of May 30, 1896 ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 3 | — | — | 332 | 335 |
| Plague and cholera. Decree of May 27, 1899, modified by Laws No. 3 of February 16, 1911, and No. 10 of April 27, 1913 ... ... ... ... ... ... ... ... | — | — | — | 2 | — | — | — | 6 | — | — | — | 50 | — | — | 48 | — | — | — | — | 106 |
| Disinfection of houses during epidemics. *Arrêtés* of May 23 and June 26, 1901 ... .... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Passenger control in case of cholera abroad. *Arrêté* of January 21, 1911 ... ... ... ... ... ... ... | 19 | — | — | 2 | 7 | — | — | 1 | 3 | 2 | — | 41 | — | — | 32 | 125 | 25 | 1 | — | 258 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Navigation on the Mahmûdîa Canal in time of cholera. *Arrêté* of January 16, 1911 ... ... ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Prophylactic measures against infectious diseases. Law No. 15 of June 12, 1912 ... ... ... ... ... ... | — | 1 | — | 7 | — | 1 | 255 | 93 | 23 | 36 | 156 | 40 | 9 | 5 | 35 | 72 | 85 | 240 | 62 | 1,120 |
| Prophylactic measures against Cholera. Law No. 10 of June 26, 1917, and No. 3 of 1918 ... ... ... | 24 | — | 2 | — | — | 47 | 149 | 214 | 41 | 112 | 36 | — | 59 | 77 | 73 | 6 | 392 | 71 6 | — | 1,948 |
| Prophylactic measures against Anthrax. Law No. 21 of 1920 and *Arrêté* of June 7, 1921 ... ... ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Excavations and *birkas* near habitations. Decree of April 26, 1900 ... ... ... ... ... ... ... ... | — | — | — | — | — | — | 4 | 14 | 1 | — | — | — | — | 1 | 3 | 1 | 1 | 1 | — | 26 |
| Pharmacy and sale of poisons. Law No. 14 of September 15, 1904 ... ... ... ... ... ... ... ... ... | 15 | 3 | — | 1 | 3 | — | 1 | 2 | 4 | — | 3 | — | 1 | — | 1 | — | 1 | — | — | 35 |
| Assistant pharmacists. Law No. 20 of November 17, 1911, modified by Law No. 15 of 1918 ... ... ... ... ... | 1 | — | — | — | — | — | — | — | 3 | — | — | — | — | — | — | — | — | — | — | 4 |
| Transport of rags during epidemics. Law No. 1 of March 10, 1906, and *Arrêté* of October 30, 1913 ... | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Control of returning pilgrims. *Arrêté* of June 14, 1914 | — | — | — | — | — | — | 2 | — | 7 | — | — | — | — | — | — | — | — | — | — | 9 |
| Public latrines and *dépendances* of mosques and *zawias*. Law No. 14 of July 1, 1911 ... ... ... ... ... ... | — | — | — | — | — | 1 | 2 | 13 | 18 | 20 | 1 | 1 | — | 1 | 5 | 10 | 2 | — | — | 74 |
| Births and deaths. Decree of August 11, 1912 ... ... | 16 | 6 | 3 | — | — | 26 | 184 | 141 | 76 | 104 | 211 | 70 | 83 | 65 | 261 | 108 | 328 | 640 | 53 | 2,375 |
| *Établissements incommodes, insalubres et dangereux.* Law No. 13 of August 28, 1904, and *Arrêté* of August 29, 1904, completed by *Arrêté* of June 11, 1905 ... | 624 | 27 | 4 | 29 | 77 | 72 | 43 | 300 | 254 | 60 | 87 | 8 | 87 | 3 | 25 | 225 | 93 | 46 | 8 | 2,072 |
| Cleanliness of streets. *Arrêté* of June 7, 1913 ... ... ... | 89 | — | 1 | 21 | 24 | — | — | — | 9 | 21 | 7 | — | — | — | 87 | — | — | — | — | 259 |
| Adulteration of milk. Article 302 of the Native Penal Code | 211 | 23 | 31 | 42 | 1 | 4 | 3 | 47 | 32 | 8 | 10 | — | — | — | — | — | — | — | — | 412 |
| General sanitary contraventions. Native Penal Code, Arts. 334, 335, and 336, and Mixed Penal Code, Art. 333, para. 6 ... ... ... ... ... ... ... ... ... ... ... | 215 | — | 4 | 16 | — | — | 287 | 55 | 21 | 23 | 35 | 7 | — | 8 | 6 | — | — | — | — | 677 |
| TOTAL number reported ... ... | 2,098 | 214 | 86 | 193 | 152 | 218 | 1,095 | 1,270 | 939 | 530 | 868 | 329 | 349 | 214 | 878 | 832 | 1,072 | 1,822 | 506 | 13,665 |
| Convictions obtained ... ... ... ... ... ... ... | 1,597 | 157 | 70 | 188 | 74 | 165 | 914 | 931 | 533 | 375 | 776 | 249 | 197 | 173 | 787 | 641 | 888 | 1,700 | 392 | 10,807 |
| Acquittals ... ... ... ... ... ... ... ... ... | 47 | 2 | — | 2 | 9 | 2 | 4 | 7 | 43 | 9 | 10 | 10 | 3 | 1 | 8 | 12 | 11 | 3 | 3 | 186 |
| Filed ... ... ... ... ... ... ... ... ... ... | 89 | 2 | 2 | — | 33 | 8 | 90 | 57 | 121 | 28 | 9 | 43 | 112 | — | — | 16 | 6 | 12 | — | 628 |
| Under consideration ... ... ... ... ... ... ... | 365 | 53 | 14 | 3 | 36 | 43 | 87 | 275 | 242 | 118 | 73 | 27 | 37 | 40 | 83 | 163 | 167 | 107 | 111 | 2,044 |

## 5.—REPORT ON THE MEDICAL AND ALLIED PERMITS OFFICE.

During the year 1921, permits to practise their professions in Egypt were issued to :—

197 Doctors.
32 Pharmacists.
10 Assistant pharmacists.
9 Veterinary Surgeons.
33 Midwives.
6 Dentists (with registrable qualifications).
40 Dentists (without registrable qualifications, but who satisfied the provisions of Article 15 of Law No. 14 of 1920).

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Table LXXVI gives in detail the numbers of permits issued in 1921, the nationalities of the persons authorized, and the figures for 1920 for purposes of comparison :—

TABLE LXXVI.—AUTHORIZATIONS TO PRACTISE THE MEDICAL AND ALLIED PROFESSIONS IN 1920-1921, SHOWING THE NATIONALITY OF THE LICENCEES.

| PROFESSION. | NATIONALITY. | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Egyptians. | | British. | | French. | | Italians. | | Americans. | | Ottomans. | | Greeks. | | Others.* | | TOTAL. | |
| | 1921 | 1920 | 1921 | 1920 | 1921 | 1920 | 1921 | 1920 | 1921 | 1920 | 1921 | 1920 | 1921 | 1920 | 1921 | 1920 | 1921 | 1920 |
| Doctors ... ... ... | 118 | 69 | 25 | 15 | 7 | 1 | 4 | 6 | 1 | 3 | 28 | 27 | 5 | 10 | 9 | 11 | 197 | 142 |
| Pharmaceutical :— | | | | | | | | | | | | | | | | | | |
| Pharmacists ... ... | 17 | 18 | 1 | 3 | 2 | 1 | 1 | 1 | — | 1 | 7 | 10 | 3 | 7 | 1 | 1 | 32 | 42 |
| Assistant pharmacists | 9 | 4 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | 1 | 10 | 5 |
| Veterinary surgeons ... | 7 | 3 | — | — | 1 | — | — | — | — | — | 1 | 1 | — | — | — | — | 9 | 4 |
| Midwives ... ... ... | 19 | 11 | 7 | 3 | 1 | — | 1 | 1 | — | — | 1 | 3 | 2 | 1 | 2 | — | 33 | 19 |
| Dental :— | | | | | | | | | | | | | | | | | | |
| Dentists (Diplomated) ... | 1 | 3 | — | — | — | 1 | — | — | — | — | 2 | 11 | — | — | 3 | 2 | 6 | 17 |
| † „ ... ... ... | 36 | 122 | — | 2 | — | — | — | 5 | — | — | — | 13 | — | — | 4 | 5 | 40 | 147 |
| TOTALS ... ... | 207 | 230 | 34 | 23 | 11 | 3 | 6 | 13 | 1 | 4 | 39 | 65 | 10 | 18 | 19 | 20 | 327 | 376 |

Table LXXVII shows in detail the place of origin of the various qualifications held by the persons authorized :—

TABLE LXXVII.—SHOWING THE PLACE OF ORIGIN OF THE VARIOUS QUALIFICATIONS HELD BY PERSONS AUTHORIZED IN 1921.

| PLACE. | Doctors. | Pharmacists. | Assistant Pharmacists. | Dentists. | Veterinary Surgeons. | Midwives. |
|---|---|---|---|---|---|---|
| Egyptian School of Medicine... | 65 | 12 | 9 | — | 7 | 19 |
| Great Britain ... ... ... ... | 48 | 2 | 1 | — | — | 7 |
| France... ... ... ... ... ... | 11 | 1 | — | — | 1 | — |
| Italy ... ... ... ... ... ... | 3 | 1 | — | — | — | 1 |
| Constantinople ... ... ... ... | 14 | 4 | — | 1 | 1 | 2 |
| Syria ... ... ... ... ... ... | 31 | 8 | — | 1 | — | — |
| Greece... ... ... ... ... ... | 6 | 1 | — | — | — | 1 |
| America ... ... ... ... ... | 3 | 1 | — | 1 | — | — |
| Russia... ... ... ... ... ... | 2 | — | — | 3 | — | — |
| Switzerland ... ... ... ... | 9 | 2 | — | — | — | — |
| Belgium ... ... ... ... ... | 1 | — | — | — | — | 1 |
| Germany ... ... ... ... ... | 3 | — | — | — | — | 1 |
| Austria ... ... ... ... ... | 1 | — | — | — | — | 1 |
| TOTAL ... ... | 197 | 32 | 10 | 6<br>40 ‡ | 9 | 33 |
| | | | | 46 | | |

* Includes Belgians, Roumanians, Bulgarians, Swiss, Russians. Austrians, Germans.
† Dentists without registrable qualifications, but who satisfied the provisions of Art. 15 of Law No. 14 of 1920.
‡ 40 Dentists without registrable qualifications, but who satisfied the provisions of Art. 15 of Law No. 14 of 1920.

The number of permits issued to doctors, *i.e.* 197, shows a considerable increase over the total of 142 isssued in 1920, and is, in fact, by far the largest number of doctors ever authorized to practise their profession in Egypt in any one year. The total of 197 comprises 118 Egyptians and seventy-nine of other nationalities. Of the 118 Egyptians, sixty-five were in possession of the Qasr el ʿAini (Cairo) Medical Diploma; the remaining fifty-three held the following qualifications :—

27 from Great Britain.
4 ,, France.
1 ,, Italy.
6 ,, Switzerland.
1 ,, America.
9 ,, Beyrout (Syria).
2 ,, Constantinople.
3 ,, Germany.

During the year, the Official Lists of Doctors, Veterinary Surgeons, Dentists, Midwives, Pharmacists and Assistant Pharmacists, were thoroughly revised with a view to the publication of an up-to-date edition complete to December 31, 1921. The system hitherto adopted in these Lists of publishing in the " address " column the name of the town only in which licencees resided had proved insufficient, and it was decided to make an effort to insert in the new edition the full address of every person whose name appears therein. Use was made of various forms of publicity in order to make this decision as widely known as possible. Announcements were inserted in the *Journal Officiel*, the local press (both lay and medical), circular letters were sent to all administrations employing professional staff, and to consuls. A very considerable and gratifying measure of success was attained. In the case of doctors, veterinary surgeons, dentists and midwives, the legal powers were found to be sufficient to enable the Administration to omit from the printed lists the name of any member of the above profession who did not furnish an address. In the case of pharmacists and assistant pharmacists, the same power does not exist, with the result that a number of persons authorized to practise these two professions, whose whereabouts are unknown, have had to be left in the lists for the present.

The following table shows the numbers of the various professions comprised in it as made up to December 31, 1921 :—

TABLE LXXVIII.

| PROFESSIONS. | Egyptian Diplomas. | Foreign Diplomas. | Total on December 31, 1921. |
|---|---|---|---|
| Doctors ... ... ... ... ... ... ... ... ... | 419 | 730 | 1,149 |
| Veterinary surgeons ... ... ... ... ... ... | 80 | 15 | 95 |
| Dentists ... ... ... ... ... ... ... ... ... | — | 106 | 284* |
| Midwives ... ... ... ... ... ... ... ... | 99 | 53 | 152 |
| Pharmacists ... ... ... ... ... ... ... ... | 183 | 766 | 949 |
| Assistant pharmacists ... ... ... ... ... ... | 289 | 9 | 298 |

It would appear from this table that the six professions in question can hardly be described as overcrowded in this country, when it is considered that the population of Egypt, as recorded by the Census of 1917, is 12,718,255.

In the case of doctors, for example, the above figures give a ratio for the whole country of one doctor to 11,156 inhabitants. It must be borne in mind, however, that an appreciable number of the doctors included in the total of 1,149 whose names appear in the lists hold official positions which permit of no private practice being done, so that the ratio of persons per doctor is in fact actually greater than the figure given above.

* This figure includes 178 persons without registrable qualifications, but who satisfied the provisions of Art. 15 of Law No. 14 of 1920.

The following table shows the number of doctors in six of the principal towns, with the population and ratio :—

TABLE LXXIX.

| Town. | Number of Doctors. | Population according to Census of 1917. | Ratio of population to each Doctor. |
|---|---|---|---|
| Cairo and suburbs ... ... ... ... ... ... | 498 | 790,939 | 1,588 |
| Alexandria ... ... ... ... ... ... ... ... | 219 | 444,617 | 1,574 |
| Port Said ... ... ... ... ... ... ... ... | 28 | 70,873 | 2,531 |
| Suez... ... ... ... ... ... ... ... ... ... | 17 | 30,996 | 1,823 |
| Tanta ... ... ... ... ... ... ... ... ... | 38 | 74,195 | 1,979 |
| Asyût ... ... ... ... ... ... ... ... ... | 16 | 51,431 | 3,214 |

It is to be remarked that the ratios of Cairo and Alexandria are almost exactly the same.

In revising the "Official Lists," numerous cases were found of persons practising under names totally different from those registered in the Department and borne on the permits issued to them. Nearly all the persons concerned were graduates of the Turkish Imperial Faculty of Medicine, according to whose system of nomenclature only the graduate's baptismal name and his father's baptismal name are written on the diploma, no family name or surname being mentioned. This system is apparently based upon the usual custom in Mohammedan countries. Hitherto in Egypt, permits to practise have been issued in the name borne on the diploma. Discrepancies have therefore subsequently resulted between the name written on the permit and the name under which the practitioner was working in the case of those practitioners who prefer to make use of their family name. It is clearly undesirable that a person should practise his profession under a name different from that appearing on his permit and in the Official Lists, so that whenever a case of this description came to light, the person concerned was invited to produce evidence of his right to use the name in question, and when this was done the necessary correction of the permit and other records was made.

During the year, a non-Egyptian doctor was deported for abusing his privileged position to facilitate traffic in cocaine.

During 1921, the last batch of permits, forty in number, were issued to those dental practitioners who, having no registrable qualifications, were allowed to sit for the technical examination held in July, August and September 1920 in accordance with Article 15 of Law No. 14 of 1920. The delay in the issue of these permits was due to the fact that in every case some point arose which required verification and adjustment before finally granting the authorization. The total number of licences issued under Article 15, above referred to, is 178.